

# 5



# Section 5 Video Transmission and Wireless Products

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Video Multiplexers

INTERNATIONAL FIBER SYSTEMS



IFS offers a complete line of analog and digital video multiplexers - from 2 channels to 32 channels of video. In addition, they provide a multitude of multiplexers that combine video/data and video/audio.

Options: PS-12VDC 12-volt DC plug-in power supply (included).

PS-12VDC-230 12-volt DC plug-in power supply, 230 V AC input (included if specified at time of order). Add '-R3' to model number for R3 Rack Mount - no charge. (Requires R3 rack purchased separately.) Add 'C' for conformally coated printed circuit boards, consult your salesperson.

**FEATURES**

- Choice of analog FM or digital transmission
- 10 MHz bandwidth per channel
- No in-field adjustments
- Power and signal status LEDs to monitor system performance
- Real-time color transmission
- Wide operating ambient temperature range (-40° to 74°C)
- Lifetime warranty

2-CHANNEL DIGITAL MULTIPLEXER, CHOOSE FROM SM OR MM TRANSMISSION OVER A SINGLE FIBER

Anixter No.	Vendor No.	Description
243517	VT7220	MM, transmitter
243518	VT7230	SM, transmitter
304104	VT7220-R3	MM, transmitter rack-mount
254994	VT7230-R3	SM, transmitter rack-mount
243519	VR7220	MM, receiver
304013	VR7220-R3	MM, receiver rack-mount
243520	VR7230	SM, receiver
254996	VR7230-R3	SM, receiver rack-mount

4-CHANNEL DIGITAL MULTIPLEXER, SM OR MM

Anixter No.	Vendor No.	Description
243525	VT7420	4-channel digital video transmitter, multimode laser, requires 1F
304116	VT7420-R3	MM, 4-channel transmitter, 1F, rack mounted
243527	VT7430	SM, transmitter, 1300 nm laser, 1F
252242	VT7430-R3	SM, transmitter, 1300 nm laser, 1F, rack-mount
243526	VR7420	MM, receiver, 1300 nm, 1F
272167	VR7420-R3	MM, receiver, 1300 nm, 1F, rack-mount
243529	VR7430	SM, receiver, 1300 nm laser, 1F
254102	VR7430-R3	SM, receiver, 1300 nm laser, 1F, rack-mount

4-CHANNEL DIGITAL MULTIPLEXER, SINGLE-MODE WITH TWO BI-DIRECTIONAL DATA VIA RS-232, RS-422, RS-485, 2- OR 4-WIRE

Anixter No.	Vendor No.	Description
279049	VR7420-2DRDT	MM, receiver
279048	VT7420-2DRDT	MM, transmitter
270738	VR7430-2DRDT	SM receiver
271961	VT7430-2DRDT	SM transmitter

8-CHANNEL DIGITAL MULTIPLEXER, SM OR MM TRANSMISSION OVER A SINGLE FIBER

Anixter No.	Vendor No.	Description
243537	VT7820	MM, transmitter, 1300 nm, 1F
304121	VT7820-R3	MM, transmitter, 1300 nm, 1F, rack-mount
240380	VT7830	SM, transmitter, 1300 nm laser, 1F
304123	VT7830-R3	SM, transmitter, 1300 nm laser, 1F, rack mounted
243538	VR7820	MM, receiver, 1300 nm, 1F
393836	VR7820-R3	MM, receiver, 1300 nm, 1F, rack-mount
240385	VR7830	SM, receiver, 1300 nm laser, 1F
304028	VR7830-R3	SM, receiver, 1300 nm laser, 1F, rack-mount

8-CHANNEL DIGITAL MULTIPLEXER, SM, TWO BI-DIRECTIONAL DATA VIA RS-232, RS-422, RS-485, 2- OR 4-WIRE

Anixter No.	Vendor No.	Description
304119	VT7820-2DRDT	MM, transmitter
304025	VR7820-2DRDT	MM, receiver
243539	VT7830-2DRDT	SM, transmitter
243540	VR7830-2DRDT	SM, receiver

16-CHANNEL DIGITAL MULTIPLEXER, SM OR MM TRANSMISSION OVER A SINGLE FIBER

Anixter No.	Vendor No.	Description
243541	VT71620-R3	MM, transmitter, 1300/1550 nm, 1F, rack-mount
243542	VR716020-R3	MM, receiver, 1300/1550 nm, 1F, rack mounted
243543	VT71630-R3	SM, transmitter, 1300/1550 nm, 1F, rack mounted
243544	VR71630-R3	SM, receiver, 1300/1550 nm, 1F, rack-mount

RACK-MOUNT CARD CAGE

Anixter No.	Vendor No.	Description
243589	R3	19 in. rack, 115 V AC input (includes power supply)
243590	R3-230	19 in. rack-mount card cage, 14 slots, 230 V AC input
243591	R3-BP	Blank panel for R3 card cage (1 in.)

## Video Transmission and Wireless Products

# IFS

### Video Transmission

INTERNATIONAL FIBER SYSTEMS



The IFS FiberPak Videolinks Kit includes everything you need to transmit a CCTV signal (either fixed or PTZ) on one multimode optical fiber. FiberPaks are available in five models compatible with Bosch, Javelin, Kalatel, Panasonic, Pelco, Sensormatic AD, Vicon, Videolarm and other CCTV manufacturers.

The FiberPak Kit includes: transmitter and receiver; power supplies; installation and operation manuals; lifetime warranty.

Note: single-mode and rack-mount versions of these products are available separately to meet your system configuration needs.

#### FEATURES

- No in-field adjustments
- Full range Automatic Gain Control (AGC)
- Automatic resettable fuses on all power lines
- Transparent data encoding/compatible with major data protocols
- Power and AGC status LEDs to monitor system performance
- Wide operating ambient temperature range (-40° to +74°C)

Anixter No.	Vendor No.	Description
243512	FP1101	MM, 850 nm, 1F, fixed video
240399	FP1500WDM	MM, 850/1300 nm, 1F, video with one-way data
243513	FP1505WDM	MM, 850/1300 nm, 1F, video with "Up-the-Coax" data
243514	FP1910WDM	MM, 850/1300 nm, 1F, video with bi-directional data
303850	FP6010	MM, 4-channel video transmission kit, 1F

### Contact Closure Transmission

INTERNATIONAL FIBER SYSTEMS



IFS offers a line of equipment that allows up to 8 contact closure transmission over one optical fiber or Ethernet. For alarm event triggering, building HVAC, fire BA access control, lane/gate control.

#### FEATURES

- No in-field adjustments
- Relay contact rating: 200 V DC, 0.5 amps, normally open
- Wide operating ambient temperature range (-40° to +74°C)
- Lifetime warranty

#### TRANSMITTERS

Anixter No.	Vendor No.	Description
332765	DT3010	MM, transmitter, 850 nm, 1F
341453	DT3025	SM, transmitter, 1300 nm, 1F
341454	DT3030	SM/MM, transmitter, 1300 nm, 1F
347820	DT3010-R3	MM, transmitter, 850 nm, 1F, rack mounted
393855	DT3025-R3	SM, transmitter, 1300 nm, 1F, rack mounted
393856	DT3030-R3	SM/MM, transmitter, 1300 nm, 1F, rack mounted
359514	DECT3000	Ethernet converter 10/100
359515	DECT3020	MM, transmitter, contact closure to Ethernet, 2F
359517	DECT3030	SM, transmitter, contact closure to Ethernet, 2F

#### RECEIVERS

Anixter No.	Vendor No.	Description
332766	DR3010	MM, receiver, 850 nm, 1F
342971	DR3010-R3	MM, receiver, 850 nm, 1F, rack mounted
341456	DR3020	MM, receiver, 1300 nm, 1F
393857	DR3020-R3	MM, receiver, 1300 nm, 1F, rack mounted
341457	DR3025	SM, receiver, 1300 nm, 1F
393859	DR3025-R3	SM, receiver, 1300 nm, 1F, rack mounted
341455	DR3030	SM/MM, receiver, 1300 nm, 1F
303827	DR3030-R3	SM/MM, receiver, 1300 nm, 1F, rack mounted
359519	DECR3000	8-channel contact closure to Ethernet Rx, 10/100TX electrical
359520	DECR3020	8-channel contact closure to Ethernet Rx, 100FX MM
359522	DECR3030	8-channel contact closure to Ethernet Rx, 100FX SM

(T1/E1 CCITT) Transceivers

INTERNATIONAL FIBER SYSTEMS



The IFS D1200 series data transceivers provide point-to-point transmission of simplex or duplex T1, E1 (CCITT) data signals over two optical fibers. Models within this series are available for use with multimode or single-mode optical fiber. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments. Each transceiver incorporates power, carrier detect and transmit/receive data status indication LEDs for monitoring proper system operation. The modules are available in either standalone or rack-mount versions.

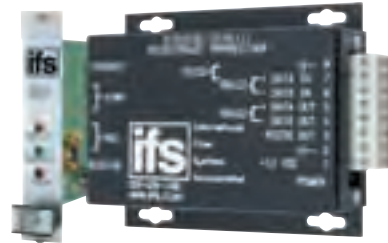
**FEATURES**

- Supports T1, E1 (CCITT) data
- Meets NEMA TS-1/TS-2 and Caltrans Specifications (temperature/humidity, shock/vibration and voltage transient protection)
- Distances up to 46 miles (74 km)
- Point-to-point network architecture
- Power, carrier detect, transmit and receive data status LED indicators
- Wide operating ambient temperature range (-40° to +74°C)
- Lifetime warranty

Anixter No.	Vendor No.	Description
240400	D1210	MM, T1/E1 transceiver, 850 nm, 2F
272181	D1210-R3	MM, T1/E1 transceiver, 850 nm, 2F, rack mounted
243586	D1220	MM, T1/E1 transceiver, 1300 nm, 2F
303710	D1220-R3	MM, T1/E1 transceiver, 1300 nm, 2F, rack mounted
243587	D1225	SM, T1/E1 transceiver, 1300 nm, 2F
303711	D1225-R3	SM, T1/E1 transceiver, 1300 nm, 2F, rack mounted
243588	D1230	SM, T1/E1 transceiver, 1300 nm laser, 2F
303712	D1230-R3	SM, T1/E1 transceiver, 1300 nm laser, 2F, rack mounted

Data Transmission

INTERNATIONAL FIBER SYSTEMS



IFS offers a complete line of analog and digital data transmission products for RS-232; RS-422; and RS-485 (2-wire or 4-wire) serial data. These modules can be used to design point-to-point, drop-and-repeat and self-healing ring data network topologies. Wide operating ambient temperature range (-40° to +74°C).

RS-232/422 POINT-TO-POINT TRANSCEIVERS

Anixter No.	Vendor No.	Description
243547	D1010	MM, 850 nm, 2F
272171	D1010WDM	MM, 850/1300 nm, 1F (side A)
303702	D1010WDMB	MM, 1300/850 nm, 1F (side B)
243548	D1020	MM, 1300 nm, 2F
243549	D1025	SM, 1300 nm, 2F
303704	D1030	SM, 1300 nm, 2F
303706	D1030WDM	SM, 1300 nm 1F (side A)
303708	D1030WDMB	SM, 1500 nm 1F (side B)
303753	D2300WDM	MM, 850/1300 nm, 1F
303807	D9130WDM	SM, 1300 nm, 1F
303808	D9130WDM-R3	SM, 1300 nm, 1F, rack-mount

RS-232/422 DROP-AND-REPEAT TRANSCEIVERS

Anixter No.	Vendor No.	Description
243551	D2100	MM, 850 nm, 2F
303743	D2100WDM	MM, 850/1300 nm, 1F
243552	D2120	MM, 1300 nm, 2F
243553	D2130	SM, 1300 nm, 2F

RS-485 (2-WIRE) POINT-TO-POINT TRANSCEIVERS

Anixter No.	Vendor No.	Description
243554	D1300	MM, 850 nm, 2F
243556	D1325	SM, 1300 nm, 2F

RS-485 (2-WIRE) DROP-AND-REPEAT TRANSCEIVERS

Anixter No.	Vendor No.	Description
240395	D2300	MM, 850 nm, 2F
243558	D2325	SM, 1300 nm, 2F
303753	D2300WDM	MM, 850/1300 nm, 1F

RS-485 (4-WIRE) POINT-TO-POINT TRANSCEIVERS

Anixter No.	Vendor No.	Description
243559	D1315	MM, 850 nm, 2F
303722	D1315WDM	MM, 850/1300 nm, 1F (side A)

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## Video Transmission and Wireless Products

# IFS

*(continued)* Data Transmission

RS-485 (4-WIRE) POINT-TO-POINT TRANSCEIVERS

Anixter No.	Vendor No.	Description
303724	D1315WDMB	MM, 1300/850 nm, 1F (side B)
243560	D1315-SM	SM, 1300 nm, 2F

RS-485 (4-WIRE) DROP-AND-REPEAT TRANSCEIVERS

Anixter No.	Vendor No.	Description
243561	D2315	MM, 850 nm, 2F
243562	D2315-SM	SM, 1300 nm, 2F
303759	D2315WDM	MM, 850/1300 nm, 1F

SELF-HEALING RING DATA TRANSCEIVER (RS-232/422, RS-485, 2- OR 4-WIRE)

Anixter No.	Vendor No.	Description
243566	D19130SHR	SM, 1300 nm, 2F
240396	D19130SHR-R3	SM, 1300 nm, 2F, rack-mount

DROP-AND-REPEAT POLL AND RESPOND TRAFFIC SIGNAL NETWORKS

Anixter No.	Vendor No.	Description
396385	D19130	SM, 1300 nm, 2F
396386	D19130-R3	SM, 1300 nm, 2F rack-mount
396387	D19130WDM	SM, 1300 nm, 1F
303808	D9130WDM-R3	SM, 1300 nm, 1F, rack-mount

UNIVERSAL DATA TO ETHERNET BI-DIRECTIONAL

Anixter No.	Vendor No.	Description
359509	DED2500-E	Serial to Ethernet media converter, 10/100TX, Electrical
359510	DED2500-M	Serial to Ethernet media converter, 100FX MM
359512	DED2500-S	Serial to Ethernet media converter, 100FX SM

DROP-AND-REPEAT POLL AND RESPOND TRAFFIC SIGNAL NETWORKS

Anixter No.	Vendor No.	Description
424771	D9130	SM, 1300 nm, 2F
303806	D9130-R3	SM, 1300 nm, 2F
424773	D9130WDM	SM, 1300 nm, 1F
303808	D9130WDM-R3	SM, 1300 nm, 1F, rack-mount

### Full Duplex Data Multiplexer

#### INTERNATIONAL FIBER SYSTEMS



The IFS D8000 Series is a fully-digital data multiplexer that supports up to 8 channels of full duplex data on one optical fiber, and is ideal for those applications where the available fiber count may be limited or additional data channels must be added to an existing optical cable plant. These environmentally hardened data multiplexers are

designed for use in unconditioned out-of-plant or roadside installations. Any of the eight available data channels may be independently configured for either RS-232, RS-422 or RS-485 (2- or 4-wire) operation, providing a high level of versatility. Plug-and-play design ensures ease of installation and no electrical or optical adjustments are ever required. LED status indicators are provided for rapidly ascertaining equipment operating status, and these units are available in either standalone or rack-mount configurations.

#### FEATURES

- Supports up to 8 channels of full-duplex RS-232, RS-422, and RS-485 (2- or 4-wire) data on one or two fibers
- Environmentally hardened design assures extremely high reliability in unconditioned roadside or out-of-plant environments
- Transparent to data encoding
- Automatic resettable solid-state current limiters
- Data rates up to 115 kbps
- No in-field electrical or optical adjustments required
- Integrated WDM for greater product reliability
- Tested and certified by an independent testing laboratory for full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/low-line voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment
- Operating power, transmit and receive data, TDM lock and optical carrier detect LED status indicators
- Hot-swappable rack modules
- Distances up to 37 miles (60 km)
- Lifetime warranty

Anixter No.	Vendor No.	Description
303776	D8020WDMA	8-channel transceiver multimode, 1 fiber, "A" end
303778	D8020WDMB	8-channel transceiver multimode, 1 fiber, "B" end
303780	D8030WDMA	8-channel transceiver single-mode, 1 fiber, "A" end
303782	D8030WDMB	8-channel transceiver single-mode, 1 fiber, "A" end
303777	D8020WDMA-R3	8-channel transceiver multimode, 1 fiber, "A" end, rack-mount
303779	D8020WDMB-R3	8-channel transceiver multimode, 1 fiber, "B" end rack-mount
303781	D8030WDMA-R3	8-channel transceiver single-mode, 1 fiber, "A" end rack-mount
303783	D8030WDMB-R3	8-channel transceiver single-mode, 1 fiber, "A" end rack-mount

IFS Hardened 10/100 Media Converters

INTERNATIONAL FIBER SYSTEMS



The IFS D7400 and D7100 Series Ethernet Media Converters combine 10/100 Ethernet signals over one or two optical fibers. The D7400 features four RJ-45 ports and two fiber ports for drop-and-repeat. The IFS D7400 and D7100 Converters are compatible devices complying with IEEE802.3. Models within this series are available for use with multimode or single-mode optical fiber and are compatible with standard 100-FX networks. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments. Each converter incorporates power and link status indicating LEDs for monitoring proper system operation. In addition, two continuously active contact closure relays are available to activate an external audible or visual warning signal in the event of a fiber break or loss of power.

FEATURES

- Plug-and-play installation
- D7400 Series combines four RJ45 ports to fiber 10/100
- D7100 converts one RJ45 port to fiber 10/100
- Auto-negotiate or switch selectable data rate
- Auto network detection MDI/MDI-X
- Environmentally hardened -40° to +74°C
- Multimode or single-mode versions
- UL Listed
- Lifetime warranty

Anixter No.	Vendor No.	Description
272993	D7420	MM, 850 nm, 2F, Ethernet
272994	D7420WDM	MM, 850/1300 nm, 1F, Ethernet
272995	D7430WDM	SM, 1310 nm/1550 nm, 1F, Ethernet
272985	D7120	MM, 850 nm, 2F, Ethernet
272990	D7120WDM/B	MM, 850/1300 nm, 1F, Ethernet

10/100 Mbps Ethernet Optical Transceiver

INTERNATIONAL FIBER SYSTEMS



The IFS D7100 Series Ethernet transceiver is designed to transmit and receive 10 or 100 Mbps data over multimode or single-mode fiber. The IFS D7100 Series will

function as a 10 Mbps Ethernet link, or as a 100 Mbps Ethernet link without any adjustments. The D7100 Series is environmentally hardened to operate in extreme temperatures. Status indicating LEDs for power and data type are present at the RJ45 connector and at the fiber optic transceiver end. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments.

FEATURES

- Plug-and-play installation
- Supports 10 or 100 Mbps Ethernet data
- Auto-negotiate or switch selectable data rate
- Auto network detection MDI/MDI-X
- Environmentally hardened -40° to +74°C
- Multimode or single-mode versions
- UL Listed
- Lifetime warranty

Anixter No.	Vendor No.	Description
272985	D7120	MM, 850 nm, 2F, Ethernet
272990	D7120WDM/B	MM, 850/1300 nm, 1F, Ethernet

IFS Hardened Unmanaged 3-port Switch

INTERNATIONAL FIBER SYSTEMS



The IFS DE7100 and DE7300 Series Ethernet 3-port transceivers are designed to combine and convert Ethernet data over multimode, single-mode or Ethernet cable. The DE7100 provides 10/100 ports. The DE7300 provides 10/100/1000 ports. Both available in any combination of electrical or optical ports. They are environmentally hardened to operate in extreme temperatures. Loss of optical link contact closure for remote alarm sensing. Status indicating LEDs for power and data activity are present at the RJ45 connector. At the fiber optic transceiver end, link and data LEDs provide operational status. Plug-and-play design ensures ease of installation, requiring no optical adjustments. The modules are available in standalone only.

FEATURES

- Auto network detection MDI/MDI-X
- Full duplex or half duplex data
- Distances up to 45 km (28 miles)
- Extended ambient operating temperature range: -40°C to +74°C
- Designed to meet full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/low-line voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment
- No in-field optical adjustments required
- Power, transmit and receive data status LED indicators
- Loss of optical link contact closure
- IEEE 802.3 compliant
- Lifetime warranty

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## Video Transmission and Wireless Products

# IFS

*(continued)* IFS Hardened Unmanaged 3-port Switch

Anixter No.	Vendor No.	Description
359496	DE7300-EE	3-port Gigabit Ethernet switch, 3 x 10/100/1000 TX electrical
359500	DE7300-MS	3-port Gigabit Ethernet switch, 1 x 10/100/1000 TX electrical, 1 x 1000 FX MM, 1 x 1000 FX SM
359498	DE7300-MM	3-port Gigabit Ethernet switch, 1 x 10/100/1000 TX electrical, 2 x 1000 FX MM
359499	DE7300-M3	3-port Gigabit Ethernet switch, 3 x 1000 FX MM
359502	DE7300-SS	3-port Gigabit Ethernet switch, 1 x 10/100/1000 TX electrical, 2 x 1000 FX SM
359501	DE7300-SE	3-port Gigabit Ethernet switch, 2 x 10/100/1000 TX electrical, 1 x 1000 FX SM
359490	DE7100-EE	3-port Ethernet switch multimode
359492	DE7100-MM	3-port Ethernet switch, 2 x 100 FX MM, 1 x 10/100 TX electrical
359491	DE7100-ME	3-port Ethernet switch, 1 x 100 FX MM, 2 x 10/100 TX electrical
359495	DE7100-SS	3-port Ethernet switch, 2 x 100 FX SM, 1 x 10/100 TX electrical

- Extended ambient operating temperature range: -40°C to +74°C
- Designed to meet full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/low-line voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment
- Multimode and single-mode versions available
- SC optical connectors standard
- No in-field optical adjustments required
- Power, transmit and receive data status LED indicators
- Loss of optical link contact closure
- IEEE 802.3 compliant
- Lifetime warranty

Anixter No.	Vendor No.	Description
359483	DE7200-M	2-port Ethernet media converter, 1 x 100 FX MM, 1 x 10/100 TX electrical
359484	DE7200-MM	2-port Ethernet repeater, 2 x 100 FX MM
359485	DE7200-MS	2-port Ethernet mode converter, 1 x 100 FX MM, 1 x 100 FX SM
359486	DE7200-S	2-port Ethernet media converter, 1 x 100 FX SM, 1 x 10/100 TX electrical
359488	DE7210M	2-port mini Ethernet converter, MM, 1300 nm, 1F
393861	DE7230M	2-port mini Ethernet converter, SM, 1300 nm, 1F
359487	DE7200-SS	Ethernet on fiber repeater (4 SM) 10/100
359489	DE7230M	Ethernet to fiber (2 SM) 10/100 mini media converter
424760	DE7210M	Ethernet to fiber (2 MM) 10/100 mini media converter
424766	DE7400-MM	Ethernet on fiber repeater (4 MM) GigE
424767	DE7400-MS	Ethernet on fiber mode converter, single-mode to multimode GigE (2 SM and 2 MM)
424769	DE7400-SS	Ethernet on fiber repeater (4 SM) GigE

### IFS Hardened Ethernet to Fiber Media Converters

INTERNATIONAL FIBER SYSTEMS



The IFS DE7200, D7200M and DE7400 Series Ethernet to Fiber Media Converters are designed to convert and transmit Ethernet signals over fiber. When space is at a premium, use the D7200M series inside IP and megapixel camera housings. The DE7200 and D7200M convert 10/100 signals. The DE7400 series converts 10/100/1000 Ethernet signals. The entire series is designed to work over multimode or single-mode to take Ethernet signals beyond the networking limitations of 100 meters. The Series is environmentally hardened to operate in extreme temperatures. Loss of optical link contact closure for remote alarm sensing. Status indicating LEDs for power and data rate are present at the RJ45 connector. At the fiber optic transceiver end, link and data LEDs provide operational status. Plug-and-play design ensures ease of installation requiring no optical adjustments. The modules are available in standalone only. Device used to take IP signals from access control, IP cameras, megapixel cameras, traffic systems, or any IP system further than 300 feet.

#### FEATURES

- Auto Network Detection MDI/MDI-X sensing
- Full duplex or half duplex data
- Distances up to 45 km (28 miles)



10/100 Mbps Ethernet 3-port Transceiver

INTERNATIONAL FIBER SYSTEMS



The IFS DE7300 Series Gigabit Ethernet 3-port transceiver is designed to transmit and receive 1000 Mbps data over fiber or 10/100/1000 Mbps data over Cat 5e electrical cable. It is available in any combination of electrical or optical ports. The DE7300 is environmentally hardened to operate in extreme temperatures. Loss of optical link contact closure for remote alarm sensing. Status indicating LEDs for power and data activity are present at the RJ45 connector. At the fiber optic transceiver end, link and data LEDs provide operational status. Plug-and-play design ensures ease of installation, requiring no optical adjustments. The modules are available in standalone only.

**FEATURES**

- 10/100/1000 Mbps Ethernet
- 10/100/1000BASE-T electrical port
- 1000BASE-FX optical port
- Full duplex or half duplex data
- Automatic Network Detection Mdi/Mdi-x
- Designed to meet full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/low-line voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment
- Extended ambient operating temperature range: -40°C to +74°C
- No in-field optical adjustments required
- Power, transmit and receive data status LED indicators
- Loss of optical link contact closure
- Distances up to 30 km (18 miles)
- SC optical connectors standard
- IEEE 802.3 compliant
- Lifetime warranty

Anixter No.	Vendor No.	Description
359496	DE7300-EE	3-port Gigabit Ethernet switch, 3 x 10/100/1000 TX electrical
359500	DE7300-MS	3-port Gigabit Ethernet switch, 1 x 10/100/1000 TX electrical, 1 x 1000 FX MM, 1 x 1000 FX SM
359498	DE7300-MM	3-port Gigabit Ethernet switch, 1 x 10/100/1000 TX electrical, 2 x 1000 FX MM
359499	DE7300-M3	3-port Gigabit Ethernet switch, 3 x 1000 FX MM
359502	DE7300-SS	3-port Gigabit Ethernet switch, 1 x 10/100/1000 TX electrical, 2 x 1000 FX SM
359501	DE7300-SE	3-port Gigabit Ethernet switch, 2 x 10/100/1000 TX electrical, 1 x 1000 FX SM

10/100/1000 Mbps Gigabit Ethernet 2-port Transceiver

INTERNATIONAL FIBER SYSTEMS



The IFS DE7400 Series Gigabit Ethernet 2-port transceiver is designed to transmit and receive 1000 Mbps data over fiber or 10/100/1000 Mbps data over Cat 5e electrical cable. It is available in any combination of electrical or optical ports. The DE7400 is environmentally hardened to operate in extreme temperatures. Loss of optical link contact closure for remote alarm sensing. Status indicating LEDs for power and data activity are present at the RJ45 connector. At the fiber optic transceiver end, link and data LEDs provide operational status. Plug-and-play design ensures ease of installation, requiring no optical adjustments. The modules are available in either standalone or rack-mount versions.

**FEATURES**

- 10/100/1000 Mbps Ethernet
- 10/100/1000BASE-T electrical port
- 1000BASE-FX optical port
- Full duplex or half duplex data
- Auto Network Detection Mdi/Mdi-x
- Designed to meet full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/low-line voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment
- Extended ambient operating temperature range: -40°C to +74°C
- No in-field optical adjustments required
- Power, transmit and receive data status LED indicators
- Loss of optical link contact closure
- Distances up to 30 km (18 miles)
- SC optical connectors standard
- IEEE 802.3 compliant
- Lifetime warranty

Anixter No.	Vendor No.	Description
359504	DE7400-M	2-port Gigabit Ethernet media converter, 1 x 10/100/1000 TX electrical, 1 x 1000 FX MM, 2F
359507	DE7400-S	2-port Gigabit Ethernet media converter, 1 x 10/100/1000 TX electrical, 1 x 1000 FX SM, 2F

## Video Transmission and Wireless Products

# IFS

### Telephony Transmission

INTERNATIONAL FIBER SYSTEMS



The TT3000 Series touch-tone telephone digital interface provides extended transmission of analog POTS (plain old telephone service) and 24-volt PBX (private branch exchange) systems over one or two fiber optic fibers using the latest in digital transmission technology. The modules also support many enhanced telephone services offered by telephone providers, such as Caller ID, call waiting and three-way calling. Use to make emergency phones fiber ready.

#### FEATURES

- Full FM or digital design
- 10 MHz bandwidth per channel
- No in-field adjustments
- Wide operating ambient temperature range (-40° to +74°C)
- Lifetime warranty

Anixter No.	Vendor No.	Description
341458	TT3020WDM	MM, transmitter, 850 nm, 1F

Note: Add '-R3' to model number for rack mounting. Requires R3 rack, purchased separately.

### Audio Transmission

INTERNATIONAL FIBER SYSTEMS



IFS offers a complete line of analog and digital audio transmission products for line-level applications with balanced and/or unbalanced configurations. Modules are available for point-to-point and repeater topologies. Specialized units for intercom, emergency broadcast, videoconferencing/distance learning and multimedia applications are also available. Note: Add '-R3' to model number for rack mounting. Requires R3 rack, purchased separately.

#### FEATURES

- Full FM or digital design
- 10 MHz bandwidth per channel
- No in-field adjustments
- Wide operating ambient temperature range (-40° to +74°C)
- Lifetime warranty

### POINT-TO-POINT AUDIO TRANSMITTERS AND RECEIVERS

Anixter No.	Vendor No.	Description
240397	AT1000	MM, transmitter, 850 nm
243570	AT1025	SM, transmitter, 1300 nm
240398	AR1000	MM, receiver, 850 nm
243572	AR1030	SM/MM, receiver, 1300 nm

### AUDIO REPEATER

Anixter No.	Vendor No.	Description
243575	A2120	MM, 1300 nm, 2F
243576	A2125	SM, 1300 nm, 2F

### DIGITAL 4-CHANNEL AUDIO MULTIPLEXER

Anixter No.	Vendor No.	Description
303697	AT7430	SM, transmitter, 850 nm
303688	AR7430	SM, receiver, 850 nm

### AIPHONE VIDEO INTERCOM SYSTEM

Anixter No.	Vendor No.	Description
243578	VIC5211M	MM, master, 1F
243579	VIC5211R	MM, remote, 1F

### BI-DIRECTIONAL VIDEO, AUDIO AND DATA TRANSCIVER

Anixter No.	Vendor No.	Description
243580	VAD7010WDMA	MM, 1300/850 nm, 1F
243581	VAD7010WDMB	MM, 850/1300 nm, 1F

### TELEPHONE INTERFACE

Anixter No.	Vendor No.	Description
341458	TT3020WDM	MM, transmitter, 850 nm, 1F

### Self-healing Ring/Full Duplex Data Transceiver D19100SHR Series

INTERNATIONAL FIBER SYSTEMS



The D19130SHR Series Self-healing Ring Transceiver unit is a fully-digital transceiver designed for implementing traffic signalization/communications data networks of the highest possible reliability. Unlike competing products, the multiple-master capability of this series provides full protection against the possibility of a single point of failure, significantly enhancing the reliability and availability of the network. Primary and alternate-master transceiver units may be either colocated or diversity located, and the data input/output interconnection to the primary and alternate-master units is achieved by the use of a simple "Y" electrical cable.

#### FEATURES

- Unique multiple-master capability eliminates the possibility of a single-point-of-failure within the network

- Simple "Y" electrical cable provides data interconnect between primary and alternate-master transceiver units
- Full data re-clocking and regeneration
- User-configurable optical and electrical anti-streaming provides network protection against faulty streaming controller operation

Anixter No.	Vendor No.	Description
303739	D19130SHR-R3	SM, 1300 nm, 2F, rack-mount

### Ethernet to Coax Media Converter

INTERNATIONAL FIBER SYSTEMS



IFS offers a cost-effective solution to use coaxial cable to transmit a 10/100 Ethernet signal. Use the coax converter in pairs, one at each end of the cable. Not only can you transmit a fast Ethernet signal on coax, but you can reach distances beyond 1,000 meters. Great appliance for IP anywhere coax cable exists, like existing hospitals and hotels with cable TV or analog camera systems.

#### FEATURES

- One RJ45 to one BNC female connector
- Wall-mount design
- 50 or 75 ohm coax
- Selectable data rate
- Supports RG-6, RG-58 and RG-59
- 5 V DC, two amp power supply sold separately
- Three-year warranty

Anixter No.	Vendor No.	Description
424749	MCE-COAX	Ethernet to coax 10/100 media converter; order in quantities of two
424756	PS5VDC2A-US	Wall-mount power supply 5 V DC 2 amps for splitters

### UTP Passive Baluns

INTERNATIONAL FIBER SYSTEMS



IFS offers a complete line of passive baluns and combiners. Compact design and broad product range are designed to meet every video signal application. Capable of

transmitting video up to 750 feet with no power. Use active receivers for distances up to 3,000 feet. Built-in surge protection available on select models.

#### FEATURES

- Compact size and no power required
- Plug-and-play
- Supports video and "Up-the-Coax" PTZ
- Compatible with existing UTP products
- Lifetime warranty

Anixter No.	Vendor No.	Description
425167	GEC-PVTC-M	Passive balun, male BNC, screwless terminal
425168	GEC-PVTC-MC	Passive balun, male BNC, 9 in. coax lead
425170	GEC-PVTC-MRTSP	Passive balun, male BNC, right angle, surge protection
425171	GEC-PVTC-MCSP	Passive balun, male BNC, 9 in. coax lead, surge protection
425172	GEC-PVTC-MSP	Passive balun, male BNC, surge protection
425174	GEC-PVTC-FCSP	Passive balun, female BNC, surge protection

### UTP Active 1-Channel Transmitters and Receivers

INTERNATIONAL FIBER SYSTEMS



IFS offers feature rich 1-channel active transmitters and receivers. This series delivers UTP transmission for distances up to 2,000, 4,000 and 6,000 feet. Without any field adjustment, automatic video compensation delivers high-resolution video over UTP. The active receiver paired with a passive balun will transmit video up to 2,000 ft. Use the active transmitter and active receiver for 4,000 ft. To achieve 6,000 ft. on UTP, use the active transmitter with active receiver series designed for 6,000 ft.

#### FEATURES

- Built-in video compensation to deliver high-resolution video
- Plug-and-play
- Ground loop immunity
- Built-in surge protection
- Lifetime warranty
- 12 V DC power supply, sold separately

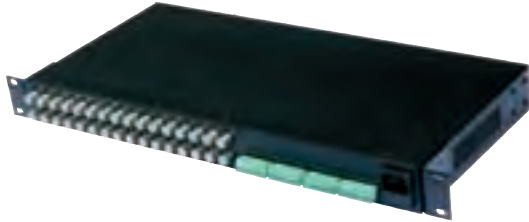
Anixter No.	Vendor No.	Description
424731	PS12VDC1.5A-U	Power supply wall-mount universal 12 V DC 1.5 amp
425175	GEC-1AVT	1-channel active video transmitter
425176	GEC-1AVR-AVC-4	1-channel active receiver, up to 4,000 feet

## Video Transmission and Wireless Products

# IFS

### UTP Multichannel HUBs

INTERNATIONAL FIBER SYSTEMS



The UTP Multichannel HUB series offers a broad range of products. The series offers passive and active HUBs. Compatible with most existing UTP transmitters. Passive HUBs transmit video up to 750 feet. The active HUB series offers built-in video compensation for a perfect picture quality transmitting to the maximum distance rating of each unit.

#### FEATURES

- Built in video compensation to deliver high-resolution video
- Plug-and-play
- Ground loop immunity
- Built-in surge protection
- Lifetime warranty
- 12 V DC power supply, sold separately

#### UTP MULTICHANNEL PASSIVE HUBS AND COMBINERS

Anixter No.	Vendor No.	Description
424731	PS12VDC1.5A-U	Power supply wall mount universal 12 V DC 1.5 amp
425177	GEC-4VPHUB	4-channel passive hub
425179	GEC-8VPHUB	8-channel passive hub, 1U rack mount
425180	GEC-16VPHUB	16-channel passive hub, 1U rack mount
425181	GEC-32VPHUB	32-channel passive hub, 1U rack mount
425183	GEC-4VARHUB-4	4-channel active hub, 4,000 feet max. use PS12 power supply
425185	GEC-8VARHUB-4	8-channel active hub, 4,000 feet max. 1U rack mount
425186	GEC-16VARHUB-4	16-channel active hub, 4,000 feet max. 1U rack mount
425188	GEC-32VARHUB-4	32-channel active hub, 4,000 feet max. 1U rack mount
425189	GEC-8VARHUB-6	8-channel active hub, 6,000 feet max. 1U rack mount
425190	GEC-16VARHUB-6	16-channel active hub, 6,000 feet max. 1U rack mount
425192	GEC-32VARHUB-6	32-channel active hub, 6,000 feet max. 1U rack mount

### UTP Video, Data, Power Combiners

INTERNATIONAL FIBER SYSTEMS



Simplify CCTV design and installations over a single UTP cable. Combiners transmit video and receive data and power. This product series lowers the cost of wiring by using one cable to the camera and combining multiple camera runs into one cable. Increased system reliability is achieved by using the built-in isolated central power supply and self resetting fuses.

#### FEATURES

- Built-in video compensation to deliver high-resolution video
- Plug-and-play
- Ground loop immunity
- Built-in surge protection
- 8-channel camera power supply 24 V AC, 6 amps
- 16-channel camera power supply 24 V AC, 12 amps
- Lifetime warranty

#### UTP MULTI-CHANNEL PASSIVE HUBS AND COMBINERS

Anixter No.	Vendor No.	Description
425193	GEC-VCR	1-channel combiner, video balun and power receiver
425194	GEC-VCR12V	1-channel combiner, video balun and power receiver, plus 12 V DC converter
425196	GEC-VPDBC	1-channel combiner, video balun, data/power receiver
425199	GEC-4VDPC	4-channel video, data/power combiner
425200	GEC-4VDPBC	4-channel video balun and data/power combiner
425201	GEC-8VPDCHUB	8-channel power supply plus VDP combiner
425202	GEC-8VPDPTCHUB	8-channel power supply, VDP combiner, and 8-channel video balun
425204	GEC-16VDPC	16-channel video, data/power combiner
425205	GEC-16VDPBC	16-channel video balun and data/power combiner
425206	GEC-16VPDCHUB	16-channel power supply plus VDP combiner
425207	GEC-16VPDPTCHUB	16-channel power supply, VDP combiner, and 16-channel video balun

Firetide HotPort 7000 MIMO-802.11n Wireless Nodes

FIRETIDE

Firetide HotPort 7000 mesh nodes provide fiber-equivalent throughput and reliability over wireless Ethernet, delivering true wireless infrastructure capabilities for large-scale municipal, public safety, industrial and transportation deployments.

FEATURES

- Fiber-like speed with up to 400 Mbps throughput, exceeding that of current wired solutions such as T1, Fast Ethernet or OC-3 fiber
- Ease of deployment with the self-forming nature of Firetide infrastructure mesh
- Ease of network management and planning with advanced utilities: antenna alignment, integrated spectrum analysis
- Reliable multicast capabilities for real-time evidence-grade video streaming to multiple destinations
- Flexible configuration with operation in 2.4 GHz, 4.9 GHz (U.S. public safety) or 5 GHz frequency bands

HOTPORT 7000 - INDOOR



Anixter No.	Vendor No.	Description
424454	7010	HotPort 7010, indoor, 802.11a/b/g/n MIMO dual-radio capable, tri-band spectrum 2.4 GHz/4.9 GHz/5 GHz, 400 mW, wireless mesh node, includes power supply desktop brick 15 V DC, two meter North America AC power cable, six 2.4 GHz 5 dBi antennas, six 5 GHz 5 dBi antennas, documentation CD and hardware installation guide; only single radio enabled, second radio enabling requires purchase of SW-7000-RADIO-1; 802.11n MIMO capability requires purchase of SW-7000-MIMO

HOTPORT 7000 - OUTDOOR



Anixter No.	Vendor No.	Description
424457	7020	HotPort 7020, outdoor, 802.11a/b/g/n MIMO, dual-radio, tri-band spectrum 2.4 GHz/4.9 GHz/5 GHz, 400 mW, wireless mesh node, includes power supply desktop brick 15 V DC, two meter North America AC power cable, six 2.4 GHz 5 dBi antennas, six 5 GHz 5 dBi antennas, documentation CD and hardware installation guide, only single radio enabled, second radio enabling requires purchase of SW-7000-RADIO-1; 802.11n MIMO capability requires purchase of SW-7000-MIMO

HOTPORT 7000 SERIES SOFTWARE

Anixter No.	Vendor No.	Description
394208	SW-7000-RADIO-1	7000 Series radio license, electronic license allows user to enable and use the second radio in the Firetide 7000 series product for a single node
424462	SW-7000-MIMO	7000 Series MIMO license allows user to enable and use the MIMO functionality (11n) on the Firetide 7000 series product for a single node

## Video Transmission and Wireless Products

# Firetide

### Firetide Antenna Assemblies for HotPort 7000 Mesh Nodes

#### FIRETIDE

Customized antennas designed to work with Firetide 7000 mesh nodes are suited for both outdoor and indoor installations. Customers choose the specific antenna based on the installation requirements, directional or omnidirectional and frequencies ranging from 4.9 to 6.1 GHz or 2.3 to 2.7 GHz.

#### FEATURES

- Each antenna contains three active antenna elements capable of transmitting and receiving data
- Antennas are MIMO-aware: the elements are polarized to maximize the MIMO effectiveness
- Antennas are easy to install and replace; wall or pole mountable

#### 90 DEGREE SECTOR ANTENNAS

Anixter No.	Vendor No.	Description
397481	AS90-024-MIMO-13	90 degree sector antenna, BSA MIMO 3x3, 2.3-2.7 GHz, 3x13 dBi gain
424823	AS90-055-MIMO-16-T	Triple polarized 90 degree sector antenna, BSA MIMO 3x3, 4.9-6.1 GHz, 3x16 dBi gain

#### 120 DEGREE SECTOR ANTENNAS

Anixter No.	Vendor No.	Description
397486	AS120-024-MIMO-11	120 degree sector antenna, BSA MIMO 3x3, 2.3-2.7 GHz, 3x11.5 dBi gain
397845	AS120-055-MIMO-15	120 degree sector antenna, BSA MIMO 3x3, 4.9-6.1 GHz, 3x15 dBi gain

#### 20 DEGREE PATCH ANTENNA

Anixter No.	Vendor No.	Description
403367	AP40-050-MIMO-19	20 degree patch antenna, BSA MIMO 3x3, 4.9-6.1 GHz, 3x19 dBi gain

#### OMNIDIRECTIONAL ANTENNAS

Anixter No.	Vendor No.	Description
403365	AO-024-MIMO-8	Omnidirectional BSA MIMO 3x3, 2.3-2.7 GHz
414061	AO-050-MIMO-9	Omnidirectional BSA, MIMO 3X3, 4.9-6.1 GHz, 3x9 dBi gain

### Firetide HotPort 6000 Mesh Nodes

#### FIRETIDE

Firetide HotPort 6000 mesh nodes provide Ethernet connectivity in either indoor or outdoor locations over a high-performance, self-forming wireless mesh backbone.

#### FEATURES

- Works indoors and outdoors with excellent wireless connectivity
- Perfect wireless solution when cable is disruptive, prohibitive or too costly
- High-capacity throughput (up to 35 Mbps single radio, 70 Mbps dual radio)
- HotPort 6100/6200 nodes provide tri-band spectrum (2.4 GHz, 4.9 GHz Public Safety, 5 GHz) single or dual 400 mW radios; HotPort 6000-900 nodes deliver 900 MHz non-line-of-site mesh capabilities

- Industrial-strength security (WEP and WPA2) network encryption, AES encryption form ingress to egress and payload encapsulation
- Self-healing and scalable architecture

#### HOTPORT 6000 - INDOOR



Anixter No.	Vendor No.	Description
394202	6100-900	HotPort 6100-900, indoor, dual-radio, first radio 2.4 GHz/4.9 GHz/5 GHz, second radio 900 MHz, 400 mW, wireless mesh node, includes five meter North America AC power cable, single weatherized Ethernet cable, clawtooth mounting kit, one 2.4 GHz 5 dBi antenna (for staging), one 5 GHz 5 dBi antenna (for staging), one 900 MHz 5 dBi antenna (for staging), documentation CD and hardware installation guide (add country specific power cables)

#### HOTPORT 6000 - OUTDOOR



Anixter No.	Vendor No.	Description
394199	6200-900	HotPort 6200-900, outdoor, dual-radio, first radio 2.4 GHz/4.9 GHz/5 GHz, second radio 900 MHz, 400 mW, wireless mesh node, includes five meter North America AC power cable, single weatherized Ethernet cable, clawtooth mounting kit, one 2.4 GHz 5 dBi antenna (for staging), one 5 GHz 5 dBi antenna (for staging), one 900 MHz 5 dBi antenna (for staging), documentation CD and hardware installation guide (add country specific power cables)

## Firetide HotPoint 5000 MIMO Access Points

### FIRETIDE

Firetide HotPoint 5000 MIMO wireless access points deliver a modular access solution for large scale, indoor and outdoor wireless networks. Modular design enables full network and software integration of the access points with a Firetide wireless mesh network while at the same time permitting independent physical placement directly connected to a wired network to provide optimal accessibility for Wi-Fi clients.

### FEATURES

- Seamless indoor and outdoor operation
- Modular design for integration with a Firetide wireless mesh network
- Single-point network management for mesh and access points with HotView Pro software
- Create logical networks with varying levels of security, access and performance
- Designed for Hot Spots - supports virtual APs and virtual AP groups
- Advanced security and performance features (WPA and WEP encryption)

### HOTPOINT 5000 - INDOOR



Anixter No.	Vendor No.	Description
424473	5100	HotPoint 5100 MIMO access point, indoor, includes Firetide MIMO access point (dual radio 802.11 a/b/g/n, 100 mW), mounting bracket, screw kit, PoE connector cable, http-based management, six 5 dBi antennas (for staging)

### HOTPOINT 5000 - OUTDOOR



Anixter No.	Vendor No.	Description
424475	5200	HotPoint 5200 MIMO access point, outdoor, includes Firetide MIMO access point (dual radio 802.11 a/b/g/n, 100 mW), mounting bracket, screw kit, PoE connector cable, http-based management, six 5 dBi antennas (for staging)

## Firetide HotPoint 4000 Access Points

### FIRETIDE

Firetide HotPoint 4000 wireless access points deliver a modular access solution for large scale, indoor and outdoor wireless networks. Modular design enables full network and software integration of the access points with a Firetide wireless mesh network while at the same time permitting independent physical placement directly connected to a wired network to provide optimal accessibility for Wi-Fi clients.

### FEATURES

- Seamless indoor and outdoor operation
- Modular design for integration with a Firetide wireless mesh network
- Single-point network management for mesh and access points with HotView Pro software
- Create logical networks with varying levels of security, access and performance
- Designed for Hot Spots - supports up to four virtual APs and virtual AP groups
- Advanced security and performance features (WPA and WEP encryption)
- High-power radios with up to 400 mW provide extended reach and penetration

### HOTPOINT 4000 - INDOOR



Anixter No.	Vendor No.	Description
384861	4100	HotPoint 4100 access point, indoor, (802.11 b/g, up to 400 mW), AC/DC power supply adapter, kit of international plugs, two 2.4 GHz 5 dBi antennas and management software

### HOTPOINT 4000 - OUTDOOR



Anixter No.	Vendor No.	Description
384860	4200	HotPoint 4200 access point, outdoor, (802.11 b/g, 400 mW), integrated panel antenna, PoE injector with North America AC power cable, pole mounting bracket, management software

## Video Transmission and Wireless Products

# Firetide

### Firetide HotView Pro Management Software

FIRETIDE



HotView Pro provides centralized management and control of single or multiple Firetide mesh networks with an intuitive Web-based user interface. It is a sophisticated, yet simple-to-use platform for configuring, monitoring and managing HotPort mesh nodes, HotPoint access points and HotClient Customer Premises Equipment (CPEs).

#### FEATURES

- Unique flow control, traffic prioritization and network management capabilities
- Ethernet Direct - allows interconnection with a 100 Mbps wired connection to reduce hop counts
- Mesh bridge integration - connect multiple mesh networks into a single environment
- End-to-end security - AES 128 or 256, WPA2 and/or WEP at 104/128 or 40/64 bits
- Unmatched mobility - real-time video from moving vehicles with seamless roaming
- Highly flexible real-time mesh network management
- Intuitive GUI interface
- Single-point management of mesh and access products

#### ELECTRONIC LICENSES

Anixter No.	Vendor No.	Description
384862	3000-9000-ELE-10	HotView Pro mesh management software, electronic license is per 10 nodes managed (integrated HotPort mesh and HotPoint access point or standalone HotPoint access point)
333051	3000-9000-ELE	HotView Pro mesh management software, electronic license is per 30 nodes managed (integrated HotPort mesh and HotPoint access point or standalone HotPoint access point)
384864	SW-MC001-ELE-10	Mobility Controller software, electronic license is per 10 nodes supporting mobility (integrated HotPort mesh and HotPoint access point or standalone HotPoint access point)
384865	SW-MC001-ELE-30	Mobility Controller software, electronic license is per 30 nodes supporting mobility (integrated HotPort mesh and HotPoint access point or standalone HotPoint access point)

Anixter No.	Vendor No.
424469	FWC-50

#### Description

WLAN controller for 50 access points includes Firetide WLAN controller equipment capable of managing 50 access points, four 10/100/1000 Mbps ports, mounting brackets for rack mounting, includes power supply desktop brick 12 V DC, 2 meter North America AC power cable

394208	SW-7000-RADIO-1
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7000 Series radio license, electronic license allows user to enable and use the second radio in the Firetide 7000 series product for a single node

424462	SW-7000-MIMO
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7000 Series MIMO license allows user to enable and use the MIMO functionality (11n) on the Firetide 7000 series product for a single node

### Firetide HotClient 2000 Customer Premises Equipment (CPE)

FIRETIDE

Firetide HotClient 2000 customer premises equipment (CPE) provides a secure and reliable solution for extending the reach of outdoor wireless mesh networks indoors. HotClient CPE enables network operators deploying municipal and enterprise wireless networks the ability to maintain optimal user experience and connectivity anywhere.

#### FEATURES

- Works indoors and outdoors with excellent wireless connectivity
- Centralized management via HotView Pro Network Management Software
- Ability to configure and enforce service level agreements (SLA)
- RADIUS server management
- Built-in standards-based security features including: WEP2, AES 128/256, RADIUS, SSID, MAC access control, NAT, VLAN and digital certificates

HOTCLIENT 2000 - INDOOR



Anixter No.	Vendor No.
362296	2100

#### Description

HotClient 2100 customer premises equipment, indoor, includes Firetide CPE (802.11 b/g, 400 mW), AC/DC power supply adapter, kit of international plugs - USA, EU, UK, AUS, two 2.4 GHz 5 dBi antennas, management software



HOTCLIENT 2000 - OUTDOOR



Anixter No.	Vendor No.	Description
362300	2200	HotClient 2200 customer premises equipment, outdoor, includes Firetide CPE (802.11 b/g, 400 mW) with integrated panel antenna, PoE injector with North America AC power cable, pole mounting bracket, management software

Firetide Wireless Bridge FWB-100

FIRETIDE



Firetide FWB-100 outdoor wireless Ethernet bridges provide low-cost, high-capacity connectivity between two locations. FWB-100 is software configurable for 2.4, 5 and 4.9 GHz and achieves up to 35 Mbps of throughput. Deployed as a standalone solution, the FWB-100 link is managed via a browser-based management interface.

**FEATURES**

- Point-to-point connectivity between two locations
- Shipped preconfigured for an easy "out-of-the-box" installation experience
- Browser-based management interface
- Antenna alignment tool for maximum signal quality
- WPA2 - PSK (Wi-Fi Protected Access) encryption

Anixter No.	Vendor No.	Description
418534	FWB-102	Firetide outdoor wireless bridge includes a pair of FWB-102 wireless nodes (2.4, 5, and 4.9 GHz capable 400 mW) with integrated 2.4 GHz panel antennas, a pair of PoE injectors with North America AC power cable, pair of pole mounting brackets, http management
418535	FWB-105	Firetide outdoor wireless bridge includes a pair of FWB-102 wireless nodes (2.4, 5, and 4.9 GHz capable 400 mW) bundled with two outdoor 5/4.9 GHz 23 dBi panel antennas, a pair of PoE injectors with North America AC power cable, pair of pole mounting brackets, http management

Firetide Wireless MIMO Bridge FWB-200

FIRETIDE



Firetide FWB-200 outdoor wireless Ethernet bridges provide low-cost, high-capacity connectivity between two locations. FWB-200 is software configurable for 2.4, 5 and 4.9 GHz and achieves up to 150 Mbps of throughput. Deployed as a standalone solution, the FWB-200 link is managed via HotView Pro or a browser-based management interface.

**FEATURES**

- Point-to-point connectivity between two locations
- Shipped preconfigured for an easy "out-of-the-box" installation experience
- Browser-based management interface
- Antenna alignment tool for maximum signal quality
- WPA2 - PSK (Wi-Fi Protected Access) encryption

Anixter No.	Vendor No.	Description
424467	FWB-205	Firetide MIMO outdoor wireless bridge, bundled with panel antenna, includes a pair of FWB-205 wireless nodes (5 and 4.9 GHz capable, 400 mW) bundled with two outdoor 5/4.9 GHz 23 dBi panel antennas (AP40-050-MIMO-19), a pair of PoE injector with North America AC power cable, a pair of pole mounting bracket, http-based management

Firetide IVS-100 Integrated Video Solution - Exclusively Available Through Anixter

FIRETIDE



Incorporating a Firetide HotPort wireless mesh node, IP camera or analog video camera with an encoder, and optional storage, the system simplifies integration and installation of video surveillance projects. Designed for rapid deployment, the Firetide IVS-100 delivers wireless connectivity, real-time video and edge-of-network storage in a single form factor.

**FEATURES**

- Ethernet, fiber and/or wireless mesh connectivity
- High-powered wireless radios: 2.4, 4.9 (U.S. public safety licensed band) and 5 GHz
- Option of either an IP or analog camera
- Optional blue light for added visibility
- Improved aesthetics of video surveillance deployments

The Firetide IVS-100 is sold exclusively through us!  
Contact your local sales representative for product configuration.

## Video Transmission and Wireless Products

## Firetide

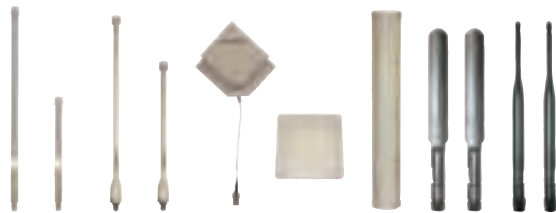
## Firetide Mounting Solutions

## FIRETIDE

Anixter No.	Vendor No.	Description
333071	3100-5101	HotPoint 4500 family indoor mounting kit for wall, upright, ceiling and office panel (cubicle) installation, 10 machine screws
367188	MT-6100	HotPort 6100 family indoor mounting kit for wall, upright, ceiling and office panel installation, 10 machine screws

## Firetide Antenna Assemblies

## FIRETIDE



Firetide antenna assembly kits are available in 2.4 GHz, 5.1 to 5.8 GHz and 4.9 GHz public safety versions, omnidirectional, panel/patch and 90° sector antenna configurations, providing antenna solutions to meet the needs of your deployment.

## FEATURES

- Firetide-certified antenna assembly
- Outdoor antennas are unobtrusive so they blend with any environment
- Sturdy attachment solutions with precise adjustments for optimal antenna performance
- Applicable for 2.4 GHz, 5.1 to 5.8 GHz, and 4.9 GHz public safety deployments
- Includes 1.5 meter LMR-400 cable, lightning suppressor and mounting solution
- Omnidirectional, panel/patch and 90° sector configurations available
- Indoor and outdoor configurations

## OMNIDIRECTIONAL ANTENNAS

Anixter No.	Vendor No.	Description
344679	AO-024-N	2.4 GHz omnidirectional antenna with 8 dBi gain, 1.5 meter LMR400 cable, lightning suppressor with N-type connector and aluminum extruded bracket for mast mounting
344681	AO-050-N	4.9 to 5.8 GHz omnidirectional antenna with 10 dBi gain, 1.5 meter LMR400 cable, lightning suppressor with N-type connector and aluminum extruded bracket for mast mounting
403369	AO-900-8	900 MHz omnidirectional antenna, 8 dBi gain
333063	4000-1111	2.4 GHz omnidirectional antenna with 7.5 dBi gain, N-type connector, (for HotPoint APs only)

## PANEL ANTENNAS

Anixter No.	Vendor No.	Description
344683	AP-024-N	2.4 GHz subscriber panel antenna with 16 dBi gain, 1.5 meter LMR400 cable, lightning suppressor with N-type connector and Az/E1 adjustable mount
344687	AP-050-N	4.9 to 5.8 GHz subscriber panel antenna with 23 dBi gain, 1.5 meter LMR400 cable, lightning suppressor with N-type connector and Az/E1 adjustable mount
403370	AP40-900-12	900 MHz 12 dBi panel antenna (43 deg x 42)

## SECTOR ANTENNAS

Anixter No.	Vendor No.	Description
344730	AS-024-N	2.4 to 2.7 GHz 90° sector antenna with 15.5 dBi gain, 1.5 meter LMR400 cable, lightning suppressor with N-type connector and tilt mount
344733	AS-050-N	4.9 to 5.8 GHz 90° sector antenna with 16 dBi gain, 1.5 meter LMR400 cable, lightning suppressor with N-type connector and elevation adjustable mount

## ANTENNA CABLE ASSEMBLIES

Anixter No.	Vendor No.	Description
367407	CB-015-N	Antenna cable assembly, 1.5 meter LMR400 with lightning suppressor, N-type connector
344735	CB-050-N	Antenna cable assembly, five meter LMR400 with lightning suppressor, N-type connector

## Firetide Cable Assemblies

## FIRETIDE

Anixter No.	Vendor No.	Description
333066	3200-2102	Single Ethernet transition cable with watertight Ethernet connector, two meters
333067	3200-2103	10 meter power cable, HotPort 3200 series, 6200 series, DC to DC
333068	3200-2104	30 meter power cable, HotPort 3200 series, DC to DC

## Firetide Power Sources and Cables

## FIRETIDE

Anixter No.	Vendor No.	Description
333070	3200-3002	3200, 3600 and 4600 Light Pole Power Kit (Luminaire power interface) including the weatherized power supply (3200-3001)
367412	CB-030-P	4600 series outdoor 30 meter PoE cable that connects the 4600 to HotPort 6200
344736	PO-010-N	6000 and 7000 Series outdoor-rated 10 meter North America AC power cable

**S701V Video Transmission System**

GE SECURITY



The S701V Series provides a high-performance video transmission system over a single multimode fiber. The S701V system provides >54 dB signal-to-noise ratio with a 10 MHz bandwidth and an optical budget of 13 dB. The increased bandwidth is ideally suited for handling feeds with imbedded audio carries. A complete system consists of a transmitter (S701VT) and a receiver (S701VR). The S701V is available in both standalone and rack modules. Rack modules are available in both 1- and 2-channel versions.

**FEATURES**

- One-way video transmission
- 10 MHz bandwidth
- High-resolution video, 800 TV lines
- Optical automatic gain control (OAGC)
- Operates up to 3.2 miles (5.2 km)
- Diagnostic indicators: Video and Levels/Loss
- Rack cards are hot-swappable
- Solid-state short-circuit protection

Anixter No.	Vendor No.	Description
231566	S701VT-EST	850 nm transmitter
231567	S701VR-EST	850 nm receiver

**S700V and S702V Video Transmission System**

GE SECURITY



The S700V Series video system is designed to transmit one or two channels of baseband composite video up to 3.2 miles (5.2 km). It provides superior performance and reliability at an economical price. The S700V is available in three versions: (1) compact standalone modules providing one video channel on one fiber, (2) rack-mounted cards providing one video channel on one fiber, and (3) rack-mounted cards that support two video channels on two fibers. The S700V Series meets the challenge for a low-cost, high-performance, fiber optic video transmission system.

**FEATURES**

- 1- or 2-channel versions
- OAGC circuitry
- Works with all cameras
- Transmits up to 3.2 mi (5.2 km)
- Standalone or rack modules
- Dual-channel rack modules

Anixter No.	Vendor No.	Description
240217	S700VT-EST	1 fiber, transmitter
240218	S700VT-TST	Miniature, single-channel
240219	S700VR-EST	Receiver only
240627	S702VT-EST	2 fiber, transmitter
240628	S702VR-EST	2 fiber, receiver

**B780G High-resolution Video Component Fiber Links**

GE SECURITY



The Fiber Options B780G high-resolution component video links are designed to support RGB signals for projector and plasma display screens and UXGA (1,600x1,200) computer systems with resolution up to 2k x 2k pixels. The RGB component signals are intensity modulated with a bandwidth of 125 MHz per component. The unit operates with either Sync-On-Green, H&V drives or composite sync. To satisfy the requirements of the video and computer world, the B780G/B7780G feature both BNC and the HD-15 computer interface connectors. Loop-thru BNC connectors with selectable 75 ohm termination are provided on the transmitter. The low-profile 1RU chassis can be installed in a standard 19 in. equipment rack, table top, under-the-desk or ceiling mounted with the removable mounting brackets.

**FEATURES**

- 125 MHz per component
- 1,600x1,200
- Horizontal frequency 15-130 kHz
- VGA, SVGA and UXGA
- RGB
- BNC and HD-15 computer interface
- Resolution up to 2k x 2k pixels
- H&V Sync or Sync-On-Green
- Exclusive Pix-Lock Sync System
- 1-fiber or 3-fiber operation
- Multimode or single-mode fiber
- Optical budget 10 dB

Anixter No.	Vendor No.	Description
273635	B780GT-RST3	Multimode transmitter
273638	B780GR-RST3	Multimode receiver

## Video Transmission and Wireless Products

# GE Security

### S706V/S7706 Digital Video Fiber System

GE SECURITY



The S706V and S7706V fiber links accept analog baseband video, convert it to digital and transmit it as an 8-bit digital signal over optical fiber. Digital transmission of video with a signal-to-noise ratio of > 60 dB assures noise-free video at the receiver. The S706V and S7706V support all major video formats. Resolution of greater than 520 TV lines guarantees faithful reproduction of high-resolution closed-circuit video images. The S706V and S7706 meet or exceed the requirements of the EIA/TIA 250C Medium Haul Standard. The S706V and S7706V also feature GE Security's unique SMARTS Technology.

#### FEATURES

- 8-bit digital video transmission
- 520 TV lines resolution
- Meets/exceeds EIA/TIA 250C Medium Haul Standard
- SMARTS built-in diagnostics
- Optical budget: 13 dB MM; 18 dB SM
- Operates up to 37 mi (60 km)
- Solid-state short-circuit protection
- 24 V AC/13.5 V DC transmitter power

Anixter No.	Vendor No.	Description
340331	S706VT-ESTL	Multimode 1-fiber link, transmitter
273612	S706VR-ESTL	Multimode 1-fiber link, receiver
342202	S7706VT-EST	Single-mode 1310 nm 1-fiber link, transmitter
273613	S7706VR-EST	Single-mode 1310 nm 1-fiber link, receiver

### S708V/S7708V 8-channel Digital Video Multiplexer System

GE SECURITY



The S708V/S7708V Digital Video Multiplexer system uses revolutionary CWDM technology to provide simultaneous long-range transmission of multiple full-frame, real-time video signals over one multimode fiber. The eight-channel system features a bandwidth of 6.2 MHz per channel and optical automatic gain control (OAGC). It

accepts analog baseband input signals and converts them to digital format for transmission, assuring high-quality video outputs at the receiver. GE Security's unique SMARTS Technology includes a built-in video test pattern generator on the transmitter for system setup and onscreen diagnostics to indicate insufficient optical power or an inactive video channel for each output.

#### FEATURES

- Eight video channels on a single fiber
- Digital multiplexing technology
- 10-bit digital encoding
- 500 TV lines resolution
- Color or monochrome
- SMARTS diagnostics
- Optical automatic gain control
- Solid-state short-circuit protection

Anixter No.	Vendor No.	Description
252919	S708VT-EST	Multimode, 1-fiber link, 850/1300 nm, transmitter
273609	S708VR-EST	Multimode, 1-fiber link, 850/1300 nm, receiver
340333	S708VT-ESTL	Multimode, 1-fiber link, 1310/1330 nm, transmitter
273610	S708VR-ESTL	Multimode, 1-fiber link, 1310/1330 nm, receiver
342206	S7708VT-EST	Single-mode, 1-fiber link, 1310/1550 nm, transmitter
273611	S7708VR-EST	Single-mode, 1-fiber link, 1310/1550 nm, receiver

### S707V 4-channel Digital Video Multiplexer

GE SECURITY



The S707V Video Multiplexer System represents a technological breakthrough in the simultaneous transmission of multiple full-frame, real-time video signals (color or monochrome) over one multimode or single-mode fiber. The 4-channel system features a 6.2 MHz per channel bandwidth and optical automatic gain control (OAGC). It accepts analog baseband inputs and converts them to digital format for transmission, assuring high-quality video outputs at the receiver. The system is compatible with all major formats.

GE Security's unique SMARTS Diagnostics includes a built-in video test pattern generator on the transmitter for system setup and onscreen diagnostics to indicate insufficient optical power or an inactive video channel for each output.

#### FEATURES

- Four channels of one-way video
- Digital multiplexing technology
- SMARTS diagnostics

- 500 TV lines resolution
- Optical automatic gain control (OAGC)
- Supports all major video formats
- Solid-state circuit protection
- Hot-swappable rack cards

Anixter No.	Vendor No.	Description
258668	S707VT-ESTL	Transmitter
258669	S707VR-ESTL	Receiver

### S710D Universal Data System

GE SECURITY



The S710D is a member of GE Security's revolutionary family of multiprotocol data links. This one link handles all major data formats in both directions, including SensorNet. It is not necessary to order or stock different models to support different data formats. They're all in one unit. Configure the S710D as needed for the job, and even better if the installation changes data formats, just reconfigure the S710D.

The use of state-of-the-art digital technology throughout the S710D makes it possible to build in more diagnostic functions than previously possible.

In addition, the integrity of the data paths can be tested with a built-in data transmission test pattern generator. It is not necessary to connect to an external data device. The S710D also features the very valuable data translation function that allows input of one data format and output of a different format.

#### FEATURES

- All-in-one data: RS-232, RS-422, RS-485 Manchester, Biphase, TTL
- User-configurable data format
- Unique data translation function
- Optical budget 13 dB
- Optical automatic gain control (OAGC)
- Enhanced built-in diagnostics
- MTBF > 100,000 hours

Anixter No.	Vendor No.	Description
231564	S710D-RST2	Two-fiber link transmits using 850 nm

### S712D Universal Data Repeater

GE SECURITY



The S712D Universal Data Repeater is part of GE Security's revolutionary family of multiprotocol data links. This model series adds four new data functions to the GE Security line: (1) It acts as a repeater to extend the operation distance of an S711D or S712D system; (2) It provides drop-and-insert capability to a linear data system with up to 32 nodes; (3) It can be configured as a redundant point-to-point system; (4) It can be configured as a self-healing ring with up to 32 nodes.

Like the other members of the Universal Data family, this link handles all major data formats in both directions. It is not necessary to order or stock different models to support different data formats. The S712D also features the very valuable data translation function that allows input of one data format and output of a different format.

The S712D has extensive built-in diagnostics, including a self-test data generator that makes it possible to test a link without having to connect external data equipment.

#### FEATURES

- All-in-one data: RS-232, RS-422, RS-485, Manchester, Biphase, TTL
- Field-configurable data format
- Drop-and-insert repeater function
- Self-healing ring capability
- Redundant point-to-point capability
- Unique data translation function
- Standard optical budget 18 dB; higher budgets available

Anixter No.	Vendor No.	Description
231565	S712D-EST2	850 and 1300 nm

Video Transmission and Wireless Products

# GE Security

## S734DV/S7734DV 4-channel Video and Two-way Universal Data Fiber Module

GE SECURITY



The S734DV and S7734DV Video Multiplexers provide four channels of video transmission combined with two-way universal data. The S734DV and S7734DV convert four channels of analog baseband composite video to digital format for transmission over fiber. Digital transmission of the video assures clean, noise-free video at the receiver. Two-way data permits remote control of a PTZ response from the receiver/driver to the control center. The unique Multiprotocol Data design accepts all major data formats, including SensorNet. The S734DV also features the very valuable data translation function that allows input of one data format and output of a different format. Four relay/contact closure channels in the forward direction permit transmission of switch closures. SMARTS diagnostic technology provides an extensive array of diagnostic LEDs and onscreen monitor displays.

### FEATURES

- Four channels of one-way video
- 10-bit digital encoding
- 500 TV lines resolution
- Multiprotocol data: RS-232, RS-422, RS-485, Manchester, Biphase, TTL, SensorNet
- User-configurable data format
- Unique data translation function
- Relay/contact closures - four forward channels
- SMARTS diagnostics
- 24 V AC/13.5 V DC transmitter power

Anixter No.	Vendor No.	Description
342209	S734DVT-EST1	Multimode, 1-fiber link, 850/1300 nm, transmitter
273582	S734DVR-EST1	Multimode, 1-fiber link, 850/1300 nm, receiver
342210	S7734DVT-EST1	Single-mode, 1-fiber link, 1310/1550 nm, transmitter
273583	S7734DVR-EST1	Single-mode, 1-fiber link, 1310/1550 nm, receiver

## S739DV Video with Universal Up-the-Coax Control, Response and Genlock

GE SECURITY



The S739DV Video and Control Data System represents a major advance in fiber optic links for Up-the-Coax control systems. In Up-the-Coax systems, video is transmitted from the camera back to the control center over coaxial cable, and control signals to operate the pan/tilt/zoom (PTZ) functions are transmitted from the control station out to the receiver/driver at the camera station. In addition to video and control, the S739DV provides for the transmission of response signals from the camera station to the control station. The S739DV also provides for transmission of embedded genlock sync if genlocking is a feature of the particular control system used. The S739DV works with all major brands of Up-the-Coax systems. The S739DV also features more extensive LED diagnostics than ever before, with input/output indicators for video, command, response, genlock sync and optical signal strength.

### FEATURES

- Transmits video, control, response, and embedded genlock signals
- One- or two-fiber links available
- Compatible with all major Up-the-Coax control systems, including: American Dynamics, Baxall, Burle, Elbex, Panasonic, Pelco, Robot, Sensormatic, VCS format, Vicon, Videolarm and others
- Diagnostic LEDs for video, command, response, sync, and optical signals on both Tx and Rx
- Operating distances up to 11 miles/18 km (control system specific)
- Built-in optical automatic gain control (OAGC)
- Modern, heavy-duty housing design

Anixter No.	Vendor No.	Description
231572	S739DVT-EST1	Transmitter
231574	S739DVR-EST1	Receiver

## B705V Composite Video Broadcast-quality Fiber Transmission System

GE SECURITY

The B705V high-performance broadcast-grade fiber transmission link supports composite video (NTSC or PAL). The all-digital processing platform features 10-bit video processing. This advanced design enables the B705V to exceed RS-250 short-haul video performance as specified in the EIA 250C standard. The B705V is designed to operate over 50/125 μm or 62.5/125 μm multimode fiber. The B705V also features a variety of built-in diagnostic functions, including LED displays for input video, output video and received optical signal strength. In addition, the receiver monitors the received optical signal with its patented Level/Loss indicator. The B705V Series consists of a transmitter (B705VT) and receiver (B705VR). The series is available in both standalone units and rack cards for use in the 515R1/517R1 rack-mount card cages. For applications specifying single-mode fiber, refer to the B7705V series.

**FEATURES**

- 10-bit A/D video processing
- Exceeds EIA-250C short-haul video standard
- Video bandwidth - 7.5 MHz
- Video signal-to-noise ratio > 67 dB
- Operates up to 2.5 miles (4 km)
- Hot-swappable rack cards
- Multimode (50 or 62.5 μm)
- Built-in diagnostics

Anixter No.	Vendor No.	Description
240623	B705VT-ESTL	Transmitter
240624	B705VR-ESTL	Receiver

**B7705V Composite Video Broadcast-quality Fiber Transmission System**

GE SECURITY

The B7705V high-performance broadcast-grade fiber transmission link supports composite video (NTSC or PAL). The all-digital processing platform features 10-bit video processing. This advanced design enables the B7705V to exceed RS-250 short-haul video performance as specified in the EIA 250C standard. The B7705V is designed to operate over 8.3/125 μm single-mode fiber. The B7705V also features a variety of built-in diagnostic functions, including LED displays for input video, output video and received optical signal strength. In addition, the receiver monitors the received optical signal with its patented Level/Loss indicator. The B7705V Series consists of a transmitter (B7705VT) and receiver (B7705VR). The series is available in both standalone units and rack cards for use in the 515R1/517R1 rack-mount card cages. For applications specifying multimode fiber, refer to the B705V series.

**FEATURES**

- 10-bit A/D video processing
- Exceeds EIA-250C short-haul video standard
- Video bandwidth - 7.5 MHz
- Video signal-to-noise ratio > 67 dB
- Operates up to 30 km (18.75 miles)
- Hot-swappable rack cards
- Single-mode fiber
- Built-in diagnostics

Anixter No.	Vendor No.	Description
240621	B7705VT-EST	Transmitter
240622	B7705VR-EST	Receiver

**B703V S-Video Pro A/V Fiber Transmission Link**

GE SECURITY



The B703V high-performance fiber transmission system supports the luminance and chrominance signals used in pro A/V S-Video systems. The FM modulated signal paths maintain the timing relationships required to operate S-Video-based equipment over distances beyond the capability of coax cable. The standard B703V model operates at a wavelength of 850 nms, providing operation up to 3 km. The long-distance version operates at 1300 nms and offers a fiber solution up to 10 km. The B703V utilizes the S-Video DIN connector for easy interconnection. The transmitter is available as a compact 4 x 4 unit or as a circuit card designed to plug into the 19 in. rack-mount card cage assembly. Status indicators for the Y and C signal are provided on the transmitter and receiver to monitor signal level. In addition, the received optical signal is continuously displayed using the Level/Loss indicator on the receiver card.

**FEATURES**

- Y/C component video
- 8 MHz
- FM modulation
- S-Video DIN input/output connectors
- Optical automatic gain control (OAGC)
- Multimode fiber
- Standard optical budget 13 dB at 850 nm
- Optional optical budget 13 dB at 1300 nm
- Diagnostic indicators

Anixter No.	Vendor No.	Description
240619	B703VT-EST	Transmitter
240620	B703VR-EST	Receiver

**B720A/B7720A Single-channel Audio Fiber Modules**

GE SECURITY

The B720A/B7720A high-performance fiber transmission system supports one channel of high-quality audio (HQA). The all-digital processing platform features 24-bit audio processing and a 33 kHz audio sampling rate.

The optical transmission system can operate at 850 or 1300 nm over multimode fiber, or at 1310 or 1550 nm over single-mode fiber.

**FEATURES**

- Single-channel audio over one fiber
- 24-bit A/D audio processing
- Signal-to-noise ratio 70 dB
- Balanced or unbalanced audio
- 33 kHz audio sampling rate
- Standard 13 dB optical budget
- Diagnostics indicators: Level/Loss, audio input and audio output

Anixter No.	Vendor No.	Description
273639	B7720AT-EFC	Single-mode transmitter

## Video Transmission and Wireless Products

## GE Security

## S711D/S7711D Fiber Data Link

GE SECURITY



The S711D multimode link and S7711D single-mode link handle all major data formats in both directions, including SensorNet. It is not necessary to order or stock different models to support different data formats. If an installation changes data formats, simply reconfigure the S711D or S7711D. The use of state-of-the-art digital technology throughout the S711D and S7711D includes GE Security's unique SMARTS technology, providing more diagnostic functions than previously possible. In addition, the integrity of the data paths can be tested with a built-in data transmission test pattern generator. It is not necessary to hook up a data source to test the link. The S711D and S7711D also feature the very valuable data translation function that allows input of one data format and output of a different format.

## FEATURES

- Multiprotocol data: RS-232, RS-422, RS-485
- Manchester, Biphase, TTL, SensorNet
- User-configurable data format
- Unique data translation function
- SMARTS diagnostics
- Optical budget 18 dB
- Hot swappable
- Solid-state circuit protection
- Forever Warranty

Anixter No.	Vendor No.	Description
342211	S711DT-EST1	Multimode, 1-fiber link, 850/1300 nm, transmitter
273603	S711DR-EST1	Multimode, 1-fiber link, 850/1300 nm, receiver
342212	S7711DT-EST1	Single-mode, 1-fiber link, 1310/1550 nm, transmitter
273606	S7711DR-EST1	Single-mode, 1-fiber link, 1310/1550 nm, receiver

## S731DV/S7731DV Fiber Video and Data Link

GE SECURITY

The S731DV/S7731DV Fiber Video and Data Link provides digital transmission of video and return multiprotocol data. The link converts analog baseband composite video to 8-bit digital format for transmission over fiber. The S731DV and S7731DV support all major video formats. Return data permits remote control of a PTZ at the camera station. The unique multiprotocol data design accepts all major data formats. This allows the S731DV/S7731DV to be retained if there is a change of video control systems. The unit also features the very valuable data translation function that allows input of one data format and output of a different format. Relay/contact closure is supported from the camera station to the control station. SMARTS

diagnostic technology provides extensive built-in system diagnostic tools, including diagnostic LEDs and onscreen monitors.

## FEATURES

- 8-bit digital video transmission
- 520 TV lines resolution
- Multiprotocol data: RS-232, RS-422, RS-485, Manchester, Biphase, TTL, and DTMF/FSK control signals
- SMARTS diagnostics
- 24 V AC/13.5 V DC transmitter power
- Unique data translation function
- User-configurable data format
- Relay/contact closure

Anixter No.	Vendor No.	Description
273590	S731DVT-EST1	Multimode, 1-fiber link, 850/1300 nm, transmitter
342213	S731DVR-EST1	Multimode, 1-fiber link, 850/1300 nm, receiver
273592	S731DVT-EST2	Multimode, 2-fiber link, 850 nm, transmitter
342215	S731DVR-EST2	Multimode, 2-fiber link, 850 nm, receiver
273594	S7731DVT-EST1	Single-mode, 1-fiber link, 1310/1550 nm, transmitter
342214	S7731DVR-EST1	Single-mode, 1-fiber link, 1310/1550 nm, receiver
273595	S7731DVT-EST2	Single-mode, 2-fiber link, 1310 nm, transmitter
342217	S7731DVR-EST2	Single-mode, 2-fiber link, 1310 nm, receiver

## S732DV/S7732DV Video and Multiprotocol Data Fiber Link

GE SECURITY

The S732DV/S7732DV fiber link converts analog video to digital video and supports two-way transmission of all major data formats. It is not necessary to order or stock different models to support different data formats. Digital transmission of the video component along with a signal-to-noise ratio of > 55 dB assures clean, noise-free video at the receiver. Moreover, this link supports all major video formats. The data functions include the unique data translation feature, which allows one data format to be input and a different data format to be output. GE Security's unique SMARTS diagnostic technology provides an extensive set of built-in diagnostic tools including a video test pattern generator that allows failures to be diagnosed from the monitor.

## FEATURES

- 8-bit digital video transmission
- 520 TV lines resolution
- SMARTS diagnostics
- Multiprotocol data: RS-232, RS-422, RS-485, Manchester, Biphase, TTL, SensorNet and DTMF/FSK control signals
- Unique data translation function
- User-configurable data format

Anixter No.	Vendor No.	Description
273585	S732DVT-EST1	Multimode, 1-fiber link, 850/1300 nm, transmitter
342219	S732DVR-EST1	Multimode, 1-fiber link, 850/1300 nm, receiver



Anixter No.	Vendor No.	Description
273586	S732DVT-EST2	Multimode, 2-fiber link, 850 nm, transmitter
342220	S732DVR-EST2	Multimode, 2-fiber link, 850 nm, receiver
342224	S7732DVT-EST1	Single-mode, 1-fiber link, 1310/1550 nm, transmitter
342225	S7732DVR-EST1	Single-mode, 1-fiber link, 1310/1550 nm, receiver
273588	S7732DVT-EST2	Single-mode, 2-fiber link, 1310 nm, transmitter
342222	S7732DVR-EST2	Single-mode, 2-fiber link, 1310 nm, receiver

**B742AV Video and 2-channel Audio**

GE SECURITY



The B742AV high-performance broadcast-grade fiber transmission system supports composite video and two channels of line-level audio. The all-digital processing platform features 10-bit video processing coupled with 24-bit dual channel audio processing. This advanced design enables the B742AV to exceed RS250C short-haul video performance as specified in the EIA-250C standard.

Dual 10-segment LED displays provide for complete monitoring of transmitter and receiver operation. Signals monitored include input video, output video, audio input and audio output levels and the received optical signal. For added flexibility dual range audio levels for the two audio channels can be configured for (-10 dB to +8 dB) or (0 dB to +18 dB) operation. Balanced 600 ohm, hi-Z or unbalanced operation for input audio. The audio output stage will drive balanced 600 ohm audio, balanced hi-Z, and unbalanced hi-Z audio loads. The optical transmission system operates at 1300 nm over 62.5 μm multimode fiber. At 1300 nm, transmission distances up to 6 km (3.7 miles) are possible. The front panel LED display when switched to the test mode on the receiver has the capability to display the received optical level. This built-in test feature aids in the installation process as it easily measures the actual optical loss in the fiber run from the transmitter.

**FEATURES**

- 10-bit A/D video processing
- Exceeds EIA-250C short-haul video standard
- Video bandwidth - 7.5 MHz
- Video signal-to-noise ratio > 67 dB
- 24-bit A/D audio processing
- Audio frequency response - 20 - 20 kHz
- Audio SNR > 90 dB, THD < 0.003%
- Balanced or unbalanced audio
- Built-in audio 1.5 kHz test generator
- Multimode fiber
- Optical budget 13 dB at 1300 nm

Anixter No.	Vendor No.	Description
319231	B742AVR-RSTL	Receiver
319221	B742AVT-RSTL	Transmitter

**S764DAV/S7764DAV One-way Video, Two-way Digital Audio, 2-channel Data, 2-channel Contact Closure Fiber Module**

GE SECURITY



The S764DAV/S7764DAV fiber link provides one-way digital video transmission combined with two-way 2-channel digital audio, 2-channel multiprotocol data and 2-channel contact closures. Digital processing of the video signal along with a video signal-to-noise ratio of > 60 dB assures clean, noise-free video at the receiver. Digital processing of the audio signal along with an audio signal-to-noise ratio of > 90 dB allows the audio output to drive balanced or unbalanced loads and maintain constant audio levels. The data functions include the unique data translation feature, which allows one data format to be input and a different data format to be output. GE Security's unique SMARTS diagnostic technology provides an extensive set of built-in diagnostic tools including a video test pattern generator that allows failures to be diagnosed from the monitor, and LED displays for monitoring video, data, audio, contact and optical signal.

**FEATURES**

- One-way video and two-way audio/data transmission over one or two fibers
- 9-bit A/D video processing, 24-bit A/D audio processing
- Multiprotocol data: RS-232, RS-422, RS-485, Manchester, Biphase, TTL and SensorNet
- Unique data translation function
- Local or remote user-configurable data format

Anixter No.	Vendor No.	Description
273573	S764DAVT-RST1	Multimode, 1-fiber link, 850/1300 nm, transmitter
342226	S764DAVR-RST1	Multimode, 1-fiber link, 850/1300 nm, receiver
273574	S764DAVT-RST2L	Multimode, 2-fiber link, 1310 nm, transmitter
342227	S764DAVR-RST2L	Multimode, 2-fiber link, 1310 nm, receiver
273575	S7764DAVT-RST1	Single-mode, 1-fiber link, 1310/1550 nm, transmitter
342228	S7764DAVR-RST1	Single-mode, 1-fiber link, 1310/1550 nm, receiver
273576	S7764DAVT-RST2	Single-mode, 2-fiber link, 1310 nm, transmitter
342229	S7764DAVR-RST2	Single-mode, 2-fiber link, 1310 nm, receiver

## Video Transmission and Wireless Products

## GE Security

## S751DA/S7751DA Two-way Audio, Multiprotocol Data and Contact Closure Fiber Module

GE SECURITY



The S751DA/S7751DA fiber link provides two-way transmission of high-quality audio (HQA), multiprotocol data (MPD) and contact closure. Digital processing of the audio signal along with an audio signal-to-noise ratio of > 90 dB allows the audio output to drive balanced or unbalanced loads and maintain constant audio levels. The data functions include the unique data translation feature, which allows one data format to be input and a different data format to be output. GE Security's unique SMARTS diagnostic technology provides an extensive set of built-in diagnostic LEDs for monitoring audio, optical signal and data.

**FEATURES**

- Two-way transmission over one or two fibers
- 24-bit A/D audio processing
- Multiprotocol data: RS-232, RS-422, RS-485, Manchester, Biphasic, TTL and SensorNet
- Unique data translation function
- Local or remote user-configurable data format
- Relay/contact closure - one duplex channel closure
- SMARTS diagnostics

Anixter No.	Vendor No.	Description
273578	S751DAT-RST1	Multimode, 1-fiber link, 850/1310 nm, transmitter
342340	S751DAR-RST1	Multimode, 1-fiber link, 850/1310 nm, receiver
273579	S751DAT-RST2L	Multimode, 2-fiber link, 1310 nm, transmitter
342341	S751DAR-RST2L	Multimode, 2-fiber link, 1310 nm, receiver
273580	S7751DAT-RST1	Single-mode, 1-fiber link, 1310/1550 nm, transmitter
342343	S7751DAR-RST1	Single-mode, 1-fiber link, 1310/1550 nm, receiver

## Fiber Optic Accessories

GE SECURITY



GE Security offers a full line of card cage racks and enclosures to support its fiber optic transmission systems. The compact 515R1 and 517R1 card cage racks provide high-density racking for link modules. They mount in standard 19 in. (483 mm) instrument racks. The 515R1 includes an internal power supply and accommodates 15 1 in. cards or the equivalent of 1, 2 and 3 in. cards. The 517R1 uses an external power supply and accommodates 17 1 in. cards or the equivalent. The 503H offers very compact 19 in. EIA rack mounting for three 1 in. rack cards. The 501R, 502R and 503R standalone enclosures permit local standalone mounting of models that are normally available as rack cards.

**FEATURES**

- Card cage racks for EIA consoles
- Standalone enclosures for rack cards
- 515R1 and 517R1 racks accommodate redundant power supplies
- 515PS1 and 517EPS1 have fiber fail and output level alarms
- Standalone enclosures permit local installation of rack card models
- 501R, 502R, 503R enclosures accommodate 1, 2 and 3 in. rack cards

Anixter No.	Vendor No.	Description
273624	503H	Rack, horizontal, 1RU
252922	515R1	Rack, vertical, 2RU
273627	517R1	Rack, vertical, 3RU
319304	517EPS1	External power supply for 517R1
273628	501R	Enclosure, one slot
273630	502R	Enclosure, two slots

S714D/S7714D Fiber Fast Ethernet System

GE SECURITY



The S714D provides fiber optic transmission of 100BASE-T Fast Ethernet data or 10BASE-T Ethernet data over distances up to 28 mi (45 km). The S714D combines the benefits of GE Security's advanced engineering with the highest quality standards in the industry. The S714D makes it possible to add the security and efficiency of transmission over fiber to local area networks (LANs) and other Ethernet applications. GE Security's unique SMARTS (Status Monitoring And Reliability Test System) technology provides constant monitoring of the link and the equipment connected to it. The status of the link and the system can be determined at a glance without the use of expensive test equipment. Standalone modules are housed in a rugged steel enclosure with a convenient, secure wall-mounting system.

**FEATURES**

- Supports 100BASE-T Fast Ethernet and 10BASE-T Ethernet protocols
- Multimode or single-mode
- Automatic polarity correction
- Switch selectable crossover
- Optical budget 13 dB
- Optical automatic gain control (OAGC)
- SMARTS diagnostics

Anixter No.	Vendor No.	Description
273597	S714DT-EST1	Multimode, 1-fiber link, 850/1300 nm, transmitter
342350	S714DR-EST1	Multimode, 1-fiber link, 850/1300 nm, receiver
273598	S714D-EST2	Multimode, 2-fiber link, 850 nm, transceiver
273599	S714D-EST2L	Multimode, 2-fiber link, 1300 nm, transceiver
273600	S7714DT-EST1	Single-mode, 1-fiber link, 1310/1550 nm, transmitter
342354	S7714DR-EST1	Single-mode, 1-fiber link, 1310/1550 nm, receiver
273601	S7714D-EST2	Single-mode, 2-fiber link, 1310 nm, transceiver

Power Supplies for Fiber Modules

GE SECURITY



The 600P series power supplies are designed to supply low-voltage power for GE Security's standalone modules. Models are available with either AC or DC outputs. The 610P plugs directly into a wall outlet, while the other models all have input power cables with attached plugs. The 613P and 614P have detachable power cables and may be used with input voltages from 100 V AC to 240 V AC.

**FEATURES**

- Low-voltage outputs
- Models with AC or DC output
- Models for North American and international applications
- All have appropriate safety ratings

Anixter No.	Vendor No.	Description
252923	613P	DC 110-240 in, 13.5 V DC @ 1.7 amp out
273642	614P	DC 110-240 in, 13.5 V DC @ 2.3 amp out

## Video Transmission and Wireless Products

# Verint

### Nextiva S4100 (Wireless)

VERINT VIDEO SOLUTIONS INC



Wireless video encoder/transmitter and decoder/receiver for point-to-point outdoor applications.

#### FEATURES

- Two units: encoder/transmitter and decoder/receiver
- Transmits over 2.4 or 5 GHz wireless band or 4.9 GHz U.S. or Canada public safety band
- MPEG-4 based video up to 4CIF/30 fps, with optimal bandwidth utilization
- Compact, weatherproof enclosure: ideal for outdoor, point-to-point applications
- Built-in, multi-band antenna for software-based frequency change
- Eliminates the need to install separate encoders and wireless transmitters
- More than double the capacity of previous devices, with improved bandwidth utilization and image quality

Anixter No.	Vendor No.	Description
362718	S4100	Wireless point-to-point system
363427	S4100-49	Wireless point-to-point system for 4.9 GHz band
362713	S4100-2V	Wireless point-to-point system with two video outputs
368627	S4100-2V-49	Wireless point-to-point system with two video outputs for 4.9 GHz band

### Nextiva S4200 (Wireless)

VERINT VIDEO SOLUTIONS INC



Video encoding and wireless transmission for point-to-multipoint outdoor applications.

#### FEATURES

- Wireless video encoder/transmitter in a single, compact, weatherproof enclosure
- Ideal for outdoor, point-to-multipoint applications when used with the Nextiva S4300 access point

- Connect up to 24 transmitters per access point, reducing equipment and installation costs
- Transmits over 2.4 or 5 GHz wireless band or 4.9 GHz U.S. or Canada public safety band
- MPEG-4 based video up to 4CIF/30 fps, with optimal bandwidth utilization
- Camera tampering detection and optional embedded video analytics
- More than double the capacity of previous devices, with improved bandwidth utilization and image quality

Anixter No.	Vendor No.	Description
362719	S4200	Wireless point-to-multipoint transmitter
363429	S4200-49	Wireless point-to-multipoint transmitter for 4.9 GHz band
362720	S4200-2V	Wireless point-to-multipoint transmitter with two video outputs
368631	S4200-2V-49	Wireless point-to-multipoint transmitter with two video outputs for 4.9 GHz band

### Nextiva S4300 (Wireless)

VERINT VIDEO SOLUTIONS INC



Wireless access point for point-to-multipoint outdoor applications.

#### FEATURES

- Wireless access point for outdoor, point-to-multipoint applications
- Uses license-free 2.4 or 5 GHz wireless band or the licensed 4.9 GHz U.S. or Canada public safety band
- Connect up to 24 Nextiva S4200 wireless transmitters per access point, reducing equipment and installation costs
- Up to 28 Mbps capacity, with superior image quality, optimized bandwidth utilization, and failover for high availability
- Simplified installation, with built-in wireless site survey tools and optional Power over Ethernet (PoE)

Anixter No.	Vendor No.	Description
362721	S4300-POE	Outdoor wireless access point, PoE
363430	S4300-POE-49	Outdoor wireless access point for 4.9 GHz, PoE

## SmartLink-4000-5G (Wireless)

VERINT VIDEO SOLUTIONS INC



Wireless point-to-point and point-to-multipoint applications for up to four-camera applications for a complete end-to-end solution. These packages are easily expandable if extra cameras are needed.

**FEATURES**

- SmartLink-4000-5G contains S4100 and all required accessories for plug-and-play viewing
- SmartAccess-4000-3 for three-camera applications containing 3-S4200, 1-S4300, 3-S1970e-R and all required accessories for viewing in an analog setting
- SmartAccess-4000-4 for four-camera applications containing 4-S4200, 1-S4300, 4-S1970e-R and all required accessories for viewing in an analog setting
- Video encoding and transmission over the 2.4 and 5 GHz band using a built-in antenna with a video performance at 40CIF/30 fps in any environment

Anixter No.	Vendor No.	Description
362724	SMARTACCESS-4000-3	Wireless point-to-multipoint application for three cameras
362725	SMARTACCESS-4000-4	Wireless point-to-multipoint application for four cameras

## Video Transmission and Wireless Products

# NVT

### Single-channel Passive Transceivers

NVT



The NVT models NV-208A-M and NV-214A-M transceivers are passive (non-amplified) devices, which allow the transmission of real-time monochrome or color video over unshielded twisted-pair (UTP) telephone wire. Baseband (composite) signals of any type are supported. "Up-the-Coax" type signal may be sent over the same wire pair if using a passive receiver. Used as a transmitter, the NV-214A-M has a mini-coax pigtail lead that allows for in-camera mounting in most dome cameras and a greater number of mounting options in general. The unparalleled interference rejection and low emissions of the NV-208A-M and NV-214A-M allow video signals to co-exist in the same wire bundle as telephone, datacom or low-voltage power circuits. This allows the use of a shared or existing cable plant. With built-in transient protection, damaging voltage spike problems are eliminated.

#### FEATURES

- Single-channel passive transceiver with screwless terminal video signal terminal
- No power required, built-in transient protection, supports "Up-the-Coax" type control signal up to 750 ft.
- Transmit with another passive NVT transceiver up to 750 ft.; transmit up to 3,000 ft. if used with an active receiver
- A-M = Male BNC; the NV-214A-M features a 9 in. mini-coax pigtail
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
322648	NV-208A-M	Single-channel passive video transceiver (male BNC)
299547	NV-214A-M	Single-channel passive video transceiver (mini-coax pigtail)
393096	NV-BKT214-8	Mounting bracket for NV-214A-M (8 each)

For digital recording applications, it is recommended that passive to passive transmission (Example: NV-214A-M) distances be limited to no more than 750 ft. For distances greater than 750 ft., please use an NVT Active Receiver product.

### Single-channel Active Video Receiver

NVT



The NVT model NV-652R Video Receiver is an active, amplified device that allows the transmission of real-time monochrome or color video on up to one mile using Category 5e unshielded twisted pair (UTP). Baseband (composite) signals of any type are supported. The unparalleled interference rejection and low emissions of the Model NV-652R allow long run video signals to co-exist in the same wire bundle as telephone, datacom or low-voltage power circuits. This allows the use of a shared or existing cable plant. Ground-lifting ensures no annoying "hum-bars" when ground potential differences exist. With built-in transient protection, damaging voltage spike problems are eliminated.

#### FEATURES

- Single-channel active receiver with screw terminal video input termination
- Use with an NVT passive transceiver for distances up to 3,000 ft.
- Use with NV-653T transmitter for distances up to one mile
- Built-in transient protection; built-in ground lifting
- Built-in brightness and sharpness controls; blue power LED, green video receive LED
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
234067	NV-652R	Active video receiver

The NV-652R requires floating 12-24 V AC/DC; power supply not included.

Single-channel Active Transmitter

NVT



The NVT model NV-653T Video Transmitter is an active, amplified device that allows the transmission of real-time monochrome or color video on up to one mile using Category 5e unshielded twisted pair (UTP). Baseband (composite) signals of any type are supported. The unparalleled interference rejection and low emissions of the model NV-653T allows long run video signals to co-exist in the same wire bundle as telephone, datacom or low-voltage power circuits. This allows the use of a shared or existing cable plant. With built-in transient protection, damaging voltage spike problems are eliminated.

FEATURES

- Single-channel active transmitter with screw terminal video output termination
- Use with an NVT active receiver for distances up to one mile
- Built-in transient protection
- Three-position range switch; blue power LED, green video receive LED
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
234070	NV-653T	Single-channel active video transmitter

The NV-653T requires floating 24 V AC/DC; power supply not included.

Passive 4-channel Video Transceiver

NVT



The NVT model NV-413A 4-channel Video Transceiver is a passive (non-amplified) device that allows the transmission of real-time monochrome or color video over Category 5e unshielded twisted pair (UTP). 'Up-the-Coax' type signal may be sent over the same wire pair. When used as a receiver, the NV-413A is fully compatible with qualified cameras that are equipped with an NVT twisted pair output.

The unparalleled interference rejection and low emissions of the model NV-413A allows video signals to co-exist in the same wire bundle as telephone, datacom or low-voltage power circuits. This allows the use of a shared or existing cable plant. With built-in transient protection, damaging voltage spike problems are eliminated. It can be used as a passive transmitter or receiver.

FEATURES

- 4-channel passive transceiver with either RJ45 or screw-terminal video termination
- Supports 'Up-the-Coax' type control signal up to 750 ft.
- Distances up to 750 ft. when used with another passive transceiver
- Transmit up to 3,000 ft. with NVT active receivers
- No power required
- Built-in transient protection
- Two NV-413As may be rack-mounted using the NV-RM8/10 rack panel kit (for further information please contact your local sales office)
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
258752	NV-413A	Passive 4-channel video transceiver

NV-452R 4-channel Active Receiver

NVT



The NVT model NV-452R 4-channel Active Receiver is an active (amplified) device that allows the transmission of real-time monochrome or color video on up to one mile using Category 5e unshielded twisted pair (UTP). The unparalleled interference rejection and low emissions of the model NV-452R allow long run video signals to co-exist in the same wire bundle as telephone, datacom or low-voltage power circuits. This allows the use of a shared or existing cable plant. Ground-lifting ensures no annoying "hum-bars" when ground potential differences exist. With built-in transient protection, damaging voltage spike problems are eliminated.

FEATURES

- 4-channel active receiver with RJ45 or screw terminal video input termination
- Distances up to 3,000 ft. when used with an NVT passive transceiver
- One mile when used with NV-653T transmitter
- Built-in transient protection and ground-lifting
- Built-in brightness and sharpness controls; blue power LED, green video receive LED
- Two NV-452Rs may be rack-mounted using the NV-RM8/10 rack panel kit (for further information please contact your local sales office)
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
299587	NV-452R	Active 4-channel receiver

The NV-452R requires floating 24 V AC/DC; power supply not included.

## Video Transmission and Wireless Products

# NVT

### Multichannel Passive Transceiver Hubs

NVT



The NVT models NV-813, NV-1613 and NV-3213 are 8-, 16- and 32-channel passive transceiver hubs that allow transmission of real-time monochrome or color video over Category 5e unshielded twisted pair (UTP). Baseband (composite) signals of any type are supported. 'Up-the-Coax' type signal may be sent over the same wire pair at distances up to 750 ft. The unparalleled interference rejection ability of the model NV-813, NV-1613 and NV-3213 hubs allows video signals to co-exist in the same wire bundle as telephone, datacom or low-voltage power circuits. Perfect for larger CCTV installations where channel density and camera number growth are prevalent.

#### FEATURES

- Supports RJ45 or screw terminal video transmission
- Use with the NV-413A, NV-813, NV-1613 or NV-3213 as a rack-mountable passive transmitter or receiver at distances up to 750 ft.
- Use with the NV-452R, NV-652R, NV-842, NV-872, NV-1642, NV1672, NV-3242, or NV-3272 as a rack-mountable passive transmitter for distances up to 3,000 ft.
- High-density 19 in. 1U high enclosure features 8 channels (NV-813), 16 channels (NV-1613) or 32 channels (NV-3213A)
- Compatible with qualified UTP cameras
- No power required
- Built-in transient protection
- Supports 'Up-the-Coax' type control signal up to 750 ft.
- RJ45 video connectivity with optional NV-RJ45A RJ45 to-screw-terminal adapters included
- Includes eight, 16 or 32, 2 ft. coax jumper cables, NV-RJ45 adapters and rack-mount hardware
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
358360	NV-813	8-channel passive video transceiver hub
358355	NV-1613	16-channel passive video transceiver hub
358357	NV-3213	32-channel passive video transceiver hub

### Passive Video Transceiver Stub Hubs

NVT



The NVT models NV-813S, NV1613S and NV-3213S are 8-, 16- and 32-channel passive transceiver stub hubs that allow transmission of real-time monochrome or color video over unshielded twisted-pair (UTP) telephone wire. Baseband (composite) signals of any type are twisted pair supported.

#### FEATURES

- 19 in. wide, 1U high, less than two in. deep
- Supports RJ45 or screw terminal video termination
- Use with another passive transceiver for distances up to 750 ft.
- Use with an NVT active receiver for distances up to 3,000 ft.
- No power required
- Built-in transient protection
- Supports "Up-the-Coax" type control signal up to 750 ft.
- Includes rack-mount hardware and screw terminal adapters (RJ45A)
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
363025	NV-813S	8-channel passive transceiver stub hub
363174	NV-1613S	16-channel passive transceiver stub hub
363028	NV-3213S	32-channel passive transceiver stub hub

### DigitalEQ Active Receiver Hubs

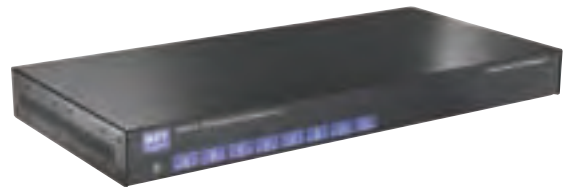
NVT

The NVT models NV-872, NV-1672 and NV-3272 are 8-, 16- and 32-channel DigitalEQ active receiver hubs that allow the transmission of real-time monochrome or color video for distances up to one mile using Category 2 or better unshielded twisted-pair (UTP) wire. The DigitalEQ active receiver hub continuously and automatically compensates for cable attenuation, ground loops and wiring polarity, independent of video signal image.

#### FEATURES

- Per channel fully automatic digital signal distance equalization and polarity correction
- Use with an NVT passive transceiver for distances up to 3,000 ft.
- Use with an NVT active transceiver for distances up to one mile
- Supports screw terminal or RJ45 UTP video inputs
- RJ45 video connectivity with optional NV-RJ45A RJ45 to-screw-terminal adapters included
- Includes eight, 16 or 32, 2 ft. coax jumper cables, NV-RJ45 adapters and rack-mount hardware
- Built-in transient protection and ground lifting
- Limited lifetime warranty

NV-872 DIGITALEQ ACTIVE DA HUB

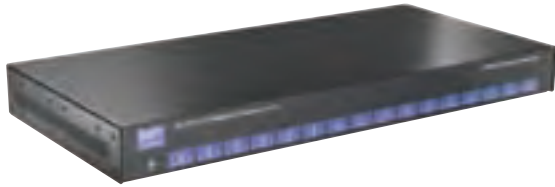


- 8-channel active receiver DigitalEQ receiver DA Hub supports either screw terminal or RJ45 UTP video inputs
- Four distribution amplifier video outputs per input channel
- One mile when used with NV-653T transmitter
- High-density 19 in. 1U high enclosure features eight input channels
- Includes (eight) 2 ft. coax jumper cables, rack-mount hardware and two screw terminal adapters (NV-RJ45A)

Anixter No.	Vendor No.	Description
361242	NV-872	8-channel DigitalEQ active receiver DA hub



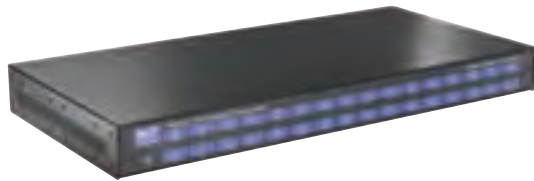
NV-1672 DIGITALEQ ACTIVE DA HUB



- 16-channel active receiver DigitalEQ receiver DA hub supports either screw terminal or RJ45 UTP video inputs
- Two distribution amplifier video outputs per input channel
- One mile when used with NV-653T transmitter
- High-density 19 in. 1U high enclosure features 16 input channels
- Includes (16) 2 ft. coax jumper cables, rack-mount hardware and four screw terminal adapters (NV-RJ45A)

Anixter No.	Vendor No.	Description
362795	NV-1672	16-channel DigitalEQ active receiver DA hub

NV-3272 DIGITALEQ ACTIVE HUB



- 32-channel active receiver DigitalEQ receiver hub supports either screw terminal or RJ45 UTP video inputs
- One video output per channel
- One mile when used with NV-653T transmitter
- High-density 19 in. 1U high enclosure features 32 input and output video channels
- Includes (32) 2 ft. coax jumper cables, rack-mount hardware and eight screw terminal adapters (NV-RJ45A)

Anixter No.	Vendor No.	Description
362797	NV-3272	32-channel DigitalEQ active receiver hub

StubEQ Active Receiver Hubs

NVT



The NVT models NV-442, NV-842, NV-1642 and NV-3242 are 4-, 8-, 16- and 32-channel products that employ NVT's latest generation StubEQ technology that allows the transmission of fiber-like analog video for distances up to 2,000 ft. using Category 2 or better unshielded twisted-pair (UTP) wire. The receiver hub continuously and automatically conditions the video signal, compensating for cable attenuation, ground loops, and voltage transients, independent of video signal content.

FEATURES

- Adaptive StubEQ fully automatic two-band equalization provides adjustment free equalization every time
- Individually floating 1 A or 0.5 A 28 V AC outputs
- The NV-842, NV-1642 and the NV-3242 are rack-mountable and include mounting hardware
- The NV-442 is rack-mountable when used with the NV-RM-8/10
- Has a 1.8 in. depth, 11.5 in. 1U high enclosure
- Full-motion CCTV video at distances up to 1,500 ft. when used with any passive NVT transceiver or hub; 2,000 ft. when used with the NV-653T active transmitter
- RJ45 connectivity with optional NV-RJ45A RJ45-to-screw-terminal adapters (included)
- Exceptional interference rejection
- Built-in transient protection and ground-lifting
- Compatible with qualified UTP cameras
- Limited lifetime warranty

NV-442 STUBEQ ACTIVE RECEIVER

- 4-channel StubEQ active receiver hub supports either screw terminal or RJ45 UTP video inputs
- 1,500 ft. when used with a passive transceiver at the camera
- 2,000 ft. when used with NV-653T transmitter
- Shallow 1.85 in. deep, 11.5 in. 1U high enclosure features four input channels
- Includes one screw terminal adapter (NV-RJ45A)

Anixter No.	Vendor No.	Description
422124	NV-442	4-channel StubEQ active receiver hub

NV-842 STUBEQ ACTIVE RECEIVER HUB

- 8-channel StubEQ active receiver receiver hub supports either screw terminal or RJ45 UTP video inputs
- 1,500 ft. when used with a passive transceiver at the camera
- 2,000 ft. when used with NV-653T transmitter
- Shallow 1.85 in. deep, 19 in. 1U high enclosure features eight input channels
- Includes eight rack-mount hardware and two screw terminal adapters (NV-RJ45A)

Anixter No.	Vendor No.	Description
393005	NV-842	8-channel StubEQ active receiver hub

NV-1642 STUBEQ ACTIVE RECEIVER HUB



- 16-channel StubEQ active receiver receiver hub supports either screw terminal or RJ45 UTP video inputs
- 1,500 ft. when used with a passive transceiver at the camera
- 2,000 ft. when used with NV-653T transmitter
- Shallow 1.85 in. deep, 19 in. 1U high enclosure features eight input channels
- Includes (eight) rack-mount hardware and (two) screw terminal adapters (NV-RJ45A)

Anixter No.	Vendor No.	Description
393052	NV-1642	16-channel StubEQ active receiver hub

Continued on next page >>

## Video Transmission and Wireless Products

# NVT

(continued) StubEQ Active Receiver Hubs

NV-3242 STUBEQ ACTIVE RECEIVER HUB



- 32-channel StubEQ active receiver receiver hub supports either screw terminal or RJ45 UTP video inputs
- 1,500 ft. when used with a passive transceiver at the camera
- 2,000 ft. when used with NV-653T transmitter
- Shallow 1.85 in. deep, 19 in. 1U high enclosure features eight input channels
- Includes eight rack-mount hardware and two screw terminal adapters (NV-RJ45A)

Anixter No.	Vendor No.	Description
393053	NV-3242	32-channel StubEQ active receiver hub

### Passive Single-channel Power-Video Transceiver

NVT



The NVT model NV-216A-PV Power-Video Transceiver with power is a passive (non-amplified) device that allows the transmission of real-time monochrome or color video over Category 5e unshielded twisted pair (UTP). Baseband (composite) signals of any type are supported.

#### FEATURES

- Single-channel Power-Video transceiver with RJ45 and BNC
- Power-Video (PVD) signals are routed via UTP and RJ45 or screwless terminal block for organized pass-through of inputs/outputs
- Mini-coax pigtail supports in-camera mounting in most dome cameras
- Use with the RJ45 connector based NV-704J-PVD or the NV-716J-PVD for organized cable management to your control equipment from the IDF room (for further information please contact your local sales office)
- Up to 3,000 ft. with an NVT active receiver or hub
- Supports 'Up-the-Coax' type control signal up to 750 ft. when used with a passive transceiver
- Exceptional interference rejection (built-in transient protection)
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
323644	NV-216A-PV	Single-channel Power-Video transceiver

### Passive Single-channel Power-Video-Data Transceiver

NVT



The NVT model NV-218A-PVD Power-Video-Data Transceiver is a passive (non-amplified) device that allows the transmission of real-time monochrome or color video over Category 5e unshielded twisted pair (UTP). Baseband (composite) signals of any type are supported.

#### FEATURES

- Single-channel Power-Video-Data transceiver with RJ45, BNC and screwless terminal inputs
- Power-Video-Data (PVD) signals are routed via UTP and RJ45 or screwless terminal block for organized pass-through of inputs/outputs
- Mini-coax pigtail supports in-camera mounting in most dome cameras
- Use with NVT's PVD Power Supply Hubs and Cable Integrators
- Up to 3,000 ft. with an NVT active receiver or hub
- Supports 'Up-the-Coax' type control signal up to 750 ft. when used with a passive transceiver
- Exceptional interference rejection (built-in transient protection)
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
299548	NV-218A-PVD	Single-channel Power-Video-Data transceiver

### Single-channel Video Transmitter and 12 V DC Converter

NVT



The NVT model NV-226J-PV Video Transmitter + 12 V DC Converter is a passive (non-amplified) video transmitter combined with a 24 AC-to-12 V DC converter. Designed to fit on the back of a fixed 12 V DC camera, this unit is architected to convert 24 V AC power from the control room, while delivering real-time baseband (composite) video at extended distances, all over one 4-pair UTP cable.

#### FEATURES

- Extended camera power and video (distance) routed through UTP and RJ45
- Supports 12 V DC cameras with onboard regulated power
- Use with NVT's PVD Power Supply Hubs and Cable Integrators

- Video up to 3,000 ft. with NVT's Active Receiver Hubs
- Video up to 750 ft. with NVT's Passive Receiver Hubs
- Supports "Up-the-Coax" type control signals up to 750 ft.
- Exceptional interference rejection
- Built-in transient protection
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
369837	NV-226J-PV	Single-channel video transmitter + 12 V DC converter

PVD Power Supply Hubs

NVT



The NVT models NV-4PS10-PVD and NV-16PS10-PVD are multi-channel power supply integrator hubs which combine a one amp/channel power supply with pass-through video and telemetry data, for up to four and 16 cameras respectively, all over UTP wire. Designed for installation in the wiring/IDF telecom closet, or at the control/MDF room, they consolidate connectivity via standard 4-pair RJ45 EIA/TIA 568B compliant premises wiring and pinouts.

FEATURES

- Provides Class 2 SELV camera power, pass-through video and telemetry data connection from four to 16 cameras, each via a single RJ45 4-pair UTP cable
- Standard telecom/datacom structured cabling pinouts per EIA/TIA 568B
- Independently selectable 24 or 28 V AC with one amp max. per channel
- Automatic-reset fault protection, transient protection
- Individually floating outputs ensure total ground-loop immunity
- Use with the NV-216PV, NV-218-PVD or the NV-226J-PV transceiver at the camera and passive or active receivers at the control room
- Power cameras via UTP over significant distances
- 1U high; 12 in. deep; wall-, desk- or rack-mountable
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
362817	NV-4PS10-PVD	4-channel power supply cable integrator hub
341355	NV-16PS10-PVD	16-channel power supply cable integrator hub
393093	NV-4PSRMBK	Rack panel kit for 4-port power supply products

Multichannel Power Supply Passive Receiver Hubs

NVT



The NVT models NV-4PS13-PVD NV-8PS13-PVD and NV-16PS13-PVD are 4-, 8- and 16-channel hybrid power supply and passive receiver hubs. Designed for installation in the MDF/equipment room, these hubs have independently selectable 24 V AC-OFF-28 V AC outputs that can support channel at-distance camera loads up to one amp per channel.

FEATURES

- Provides Class 2 SELV camera power, pass-through video and telemetry data connection from eight to 16 cameras, each via a single RJ45 4-pair UTP cable
- Standard telecom/datacom structured cabling pinouts per EIA/TIA 568B
- Independently selectable 24 or 28 V A C with one amp max. per channel (10 amp aggregate)
- Automatic reset fault protection and built-in transient protection
- Individually floating outputs ensure total ground loop immunity
- Diagnostic LEDs show load/no load, mis-wires and overload conditions
- Use with the NV-216PV, NV-218-PVD or the NV-226J-PV transceiver at the camera and passive or active receivers at the control room
- Power cameras via UTP over significant distances
- 1U high; 12 in. deep; wall-, desk- or rack-mountable
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
369845	NV-4PS13-PVD	4-channel power supply passive receiver hub
341356	NV-8PS13-PVD	8-channel power supply passive receiver hub
341357	NV-16PS13-PVD	16-channel power supply passive receiver hub
393093	NV-4PSRMBK	Rack panel kit for 4-port power supply products

## Video Transmission and Wireless Products

# NVT

### Power-Video-Data Integrators

NVT



Typically installed in the Wiring Closet or IDF room, the NV-704J-PVD and NV-716J-PVD are passive pass-through wiring devices that efficiently consolidate camera power, video and pan/tilt/zoom data onto a minimum of 4-pair UTP RJ45 cable. Power, video and data are converted at the camera using the NV-218A-PVD or NV-216A-PV transceivers (power and video) which utilizes a single 4-pair cable with RJ45 connectors to deliver each camera's signal.

#### FEATURES

- The NV-704J-PVD and NV-716J-PVD receives low-voltage camera power from any third-party Class 2 power supply
- Control room connections are achieved with a single 4-pair RJ45 cable (Exception: Two cables are required when all four cameras are in use and one or more require data.)
- Control room connections may be made using the NV-413A, NV-452R, and any passive or active NVT Hub
- All equipment employs industry-standard TIA/EIA-568-B pinouts

Anixter No.	Vendor No.	Description
299588	NV-704J-PVD	4-channel power-video-data cable integrator
299589	NV-716J-PVD	16-channel power-video-data cable integrator

### Rack Panel Kit

NVT



The NV-RM8/10 Rack Panel Kit allows for the rack mounting of up to ten single-channel transceivers, such as NV-652R or NV-653T. Alternately, it can support up to two 4-channel devices, such as NV-413A, NV-452R or NV-704J-PVD. The NV-RM8/10 can reside on front or rear rails of the same rack as NVT hubs, multiplexers, DVRs or encoders. This heavy gauge panel is designed to withstand the mechanical load of multiple coax cables. Threaded holes and screws (included) provide easy product mounting and installation into a 19 in. rack.

#### FEATURES

- Supports up to ten individual or two 4-channel models
- Mounting hardware included
- Standard 19 in. wide, 2U high
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
368529	NV-RM8/10	Rack panel kit

### Single-channel Passive Transceivers

NVT



The NVT models NV-215J-M (RJ45) and the NV-217J-M (RJ45) transceivers are passive (non-amplified) devices, which allow the transmission of real-time analog video over unshielded twisted-pair (UTP) telephone wire. "Up-the-Coax" telemetry signals are supported when used with any other passive NVT model including NVT passive hubs.

#### FEATURES

- Single-channel passive transceiver with RJ45 video signal terminal
- No power required, built-in transient protection, supports "Up-the-Coax" type control signal up to 750 ft.
- Transmit with another passive NVT transceiver up to 750 ft.; transmit up to 3,000 ft. if used with an DigitalEQ active receiver
- A-M = Male BNC; the NV-215J-M features a 9 in. mini-coax pigtail
- Limited lifetime warranty

Anixter No.	Vendor No.	Description
422119	NV-215J-M	Single-channel passive video transceiver (RJ45/male BNC with BNC with mini-coax pigtail)
422120	NV-217J-M	Single-channel passive video transceiver (RJ45/male BNC)

For high-resolution applications, it is recommended that passive to passive transmission distances be limited to no more than 750 ft. For distances greater than 500 ft. always use an NVT active receiver product.

## Power Supply StubEQ Active Receiver Hubs

NVT



Available in 8-, 16-, or 32-channels in 1U rack-mount configurations. The NV-8PS42-PVD and the NV-16PS42-PVD deliver up to 1 amp of individually floating camera power and two video outputs per channel. The NV-32PS42-PVD model provides 5 amps per channel and one video output per channel. They offer plug-and-play analog camera power and connectivity at twice the distance of RG-59/U, and five times the distance of PoE Ethernet.

These hubs represent the culmination of years of NVT development, providing all-in-one delivery of camera power, auto-equalized video, and P/T/Z telemetry data, all over extended distances of 4-pair Cat 5 or Cat 6 wire. Using future-proof UTP-based EIA/TIA 568B structured building wiring, these hubs are designed for a fast labor-saving installation. Depending on camera current, distances up to 1,500 feet (450 m) are supported.

Anixter No.	Vendor No.	Description
422121	NV-8PS42-PVD	8-channel power supply StubEQ receiver hub (one amp/channel, two video outputs/channel)
422122	NV-16PS42-PVD	16-channel power supply StubEQ receiver hub (one amp/channel, two video outputs/channel)
422123	NV-32PS42-PVD	32-channel power supply StubEQ receiver hub (0.5 amp/channel)

## Video Transmission and Wireless Products

## MuxLab

## CATV Balun II

MUXLAB INC



The CATV Balun II allows traditional 75 ohm coaxial cable to be replaced by a single pair of Cat 5 UTP cable in the CATV, VHF and FM environments in certain applications. Used in pairs, the CATV Balun II allows broadband CATV equipment to be integrated into structured cabling systems thereby allowing CATV equipment to be moved or added to any convenient modular wall outlet. The CATV Balun II provides a versatile cabling solution for broadband video systems used by schools, government, offices, hospitals, financial institutions, hotels and residential complexes. The CATV Balun II works in conjunction with RF splitters, combiners, amplifiers and cable modems for a total cabling solution.

## FEATURES

- Supports broadband Internet and digital cable
- High bandwidth - up to 900 MHz
- Low insertion loss
- Compact design

Anixter No.	Vendor No.	Description
324952	500302	CATV Balun II

## CATV Distribution Hub

MUXLAB INC



The CATV Distribution Hub allows terrestrial broadband RF video to be distributed to multiple RF receivers via Cat 5 unshielded twisted-pair cable and is available in an 8-port or 16-port configuration. The product supports standard CATV channels, digital cable and broadband Internet. The CATV Hub also features built-in gain amplification, port buffering and works in conjunction with MuxLab's passive CATV Balun (500302) and other RF video equipment for a complete RF cabling solution.

## FEATURES

- 900 MHz bandwidth
- Supports CATV, Internet, digital cable
- Built-in RF amplifier

- Bi-directional transmission
- Works with other standard RF video equipment

Anixter No.	Vendor No.	Description
366584	500300	CATV 8-port hub (desktop)
366595	500303	CATV 16-port hub (rack-mount)

## CCTV Modular Balun

MUXLAB INC



The CCTV Modular Balun allows a single composite CCTV video signal to be transmitted via a single unshielded twisted pair for more cost-efficient cabling.

## FEATURES

- Up to 2,200 ft. via Cat 5 with analog mux or monitor
- Up to 1,000 to 1,500 ft. via Cat 5 with DVR equipment
- BNC to RJ45
- Compact, ergonomic design

Anixter No.	Vendor No.	Description
275866	500000	CCTV Modular Balun

## CCTV Screw Terminal Balun

MUXLAB INC



The CCTV Screw Terminal Balun allows a single composite CCTV video signal to be transmitted via a single unshielded twisted pair for more cost-efficient cabling.

## FEATURES

- Same performance as the CCTV Modular Balun (500000)
- BNC to screw terminals
- Fits side-by-side on the back of any DVR
- Dust and moisture protection via slide-on cover
- Cable strain relief

Anixter No.	Vendor No.	Description
275867	500009	CCTV Screw Terminal Balun

**CCTV Mini Balun**

MUXLAB INC



The CCTV Mini Balun allows a single composite CCTV video signal to be transmitted via a single unshielded twisted pair for more cost-efficient cabling.

**FEATURES**

- Same performance as the CCTV Modular Balun (500000)
- BNC to screw terminals
- 8 in. mini-coax lead
- Fits inside dome cameras and backboxes
- Dust and moisture protection via slide-on cover
- Cable strain relief

Anixter No.	Vendor No.	Description
282003	500023	CCTV Mini Balun

**CCTV Power-Thru Balun**

MUXLAB INC



The CCTV Power-Thru Balun allows video and remote power to be transmitted via one 4-pair Cat 5 cable, thus eliminating the need to install multiple cables for more efficient cabling in the CCTV security and surveillance environment. There are two models: 500024; with modular RJ45 connector and 500029; with screw terminals.

The Power-Thru Balun may be used in pairs or in conjunction with standard twisted-pair cross-connect devices and other MuxLab CCTV baluns such as the 500000, 500009, 500023, 500130, 500131 and 500015.

**FEATURES**

- Video and remote power via one 4-pair Cat 5 cable
- Video up to 2,200 ft. (670 m) via Cat 5 UTP
- Shorter distances may result with certain models of DVR
- Remote power up to 500 ft. (170 m) at 24 V AC/5 VA via three (3) twisted pairs

Anixter No.	Vendor No.	Description
287822	500024	CCTV Power-Thru Balun, RJ45
289422	500029	CCTV Power-Thru Balun, screw terminals

**CCTV Pass-Thru Balun**

MUXLAB INC



The CCTV Pass-Thru Balun allows video, 2-wire PTZ control and remote power to be transmitted via one 4-pair Cat 5 cable, thus eliminating the need to install multiple cables for more efficient CCTV cabling.

**FEATURES**

- Same video performance as the CCTV Modular Balun (500000)
- Remote power up to 350 ft. (106 m) at 24 V AC/5 VA via two (2) twisted pairs
- Built-in cable leads for ease of installation

Anixter No.	Vendor No.	Description
282005	500022	CCTV Pass-Thru Balun

**CCTV Pass-Thru/GLI Balun**

MUXLAB INC



The CCTV Pass-Thru/GLI Balun allows video, remote power and 2-wire PTZ control to be transmitted via one 4-pair Cat 5 cable and is designed for installations where ground loop issues may be present. The product features Ground Loop Isolation (GLI) and is installed either at the camera or DVR side in conjunction with other standard MuxLab CCTV baluns such as the 500009, 500022, 500024/29 and 500130.

**FEATURES**

- Same video performance as the CCTV Modular Balun (500000)
- Remote power up to 350 ft. (106 m) at 24 V AC/5 VA via two (2) twisted pairs
- Ground loop isolation (GLI)
- May be installed at camera or DVR side

Anixter No.	Vendor No.	Description
366596	500132	CCTV Pass-Thru/GLI Balun

## Video Transmission and Wireless Products

## MuxLab

## Active CCTV Transmitter Balun

MUXLAB INC



The Active CCTV Transmitter Balun provides enhanced performance for a single CCTV video channel via Cat 5 unshielded twisted-pair (UTP) cable. The balun is installed at the CCTV camera and is powered by the camera power supply.

Anixter No.	Vendor No.	Description
366597	500100	Active CCTV Transmitter Balun, 12 V DC
366598	500101	Active CCTV Transmitter Balun, 24 V AC

## LongReach Active CCTV Receiver Balun

MUXLAB INC



The LongReach Active CCTV Receiver Balun provides extended distance between the CCTV camera and CCTV head end via copper twisted-pair cable. Automatic image adjustment for picture brightness, sharpness and contrast, helping to eliminate manual adjustments and on-site service calls.

## FEATURES

- Automatic image adjustment
- Up to 5,000 ft. (1.5 km) via Cat 5 UTP with passive balun at camera
- Connects directly to the DVR or switcher
- Supports NTSC, PAL and SECAM
- Ground loop blocking
- Requires 24 V AC (not included)

Anixter No.	Vendor No.	Description
275881	500015	LongReach Active CCTV Receiver Balun

## Passive 16-port CCTV Hub

MUXLAB INC



The Passive 16-port CCTV Hub allows video, remote power and PTZ control to be transmitted via one Cat 5 cable, thus eliminating the need to install multiple cables for more efficient cabling in the security video environment.

## FEATURES

- Port switch to set Power-Thru or Pass-Thru mode
- Pin configuration table on unit
- Space efficient, rack-mountable
- 500130: Connects directly to the DVR or switcher via coax
- 500131: Connects to the DVR or switcher via twisted pair
- Works in conjunction with MuxLab part nos. 500000, 500009, 500015, 500022, 500023, 500024, 500029, 500120 and 500122

Anixter No.	Vendor No.	Description
315574	500130	Passive 16-port CCTV Hub, UTP/coax
321080	500131	Passive 16-port CCTV Hub, UTP/UTP

## Passive 16-port CCTV/GLI Hub

MUXLAB INC



The Passive 16-port CCTV/GLI Hub allows video, remote power and PTZ control to be transmitted via one Cat 5 cable, thus eliminating the need to install multiple cables for more efficient cabling in the security video environment. The product features full DC isolation for CCTV systems where ground loops may be present.

## FEATURES

- Ground loop isolation (GLI) on each port
- Port switch to set Power-Thru or Pass-Thru mode
- Pin configuration table on unit
- Space efficient, rack-mountable
- Works in conjunction with MuxLab part nos. 500000R, 500009, 500022, 500024, 500100 and 500101

Anixter No.	Vendor No.	Description
366599	500133	Passive 16-port CCTV/GLI Hub



LongReach 16 Active CCTV Hub

MUXLAB INC



The LongReach 16 Active CCTV Hub provides a complete "plug-and-forget" CCTV cabling solution via copper twisted-pair cable.

FEATURES

- Auto gain control on every port, no need for manual adjustments
- Up to 4,500 ft. (1.2 km) via Cat 5 UTP with passive CCTV baluns at cameras
- 500120: Connects to the DVR or switcher via twisted pair
- 500122: Connects directly to the DVR or switcher via coax
- Supports NTSC, PAL and SECAM
- Ground loop blocking
- Power requirements: North America: 24 V AC/60 VA, Europe: 24 V AC/70 VA

Anixter No.	Vendor No.	Description
282000	500120	LongReach 16 Active CCTV Hub, UTP/UTP, 110 V/24 V AC
282001	500122	LongReach 16 Active CCTV Hub, UTP/coax, 110 V/24 V AC

Audio-Video Distribution Hub

MUXLAB INC



The Audio-Video Distribution Hub allows up to two composite video signals or one S-Video signal and up to two analog audio signals to be distributed to up to eight locations via twisted-pair cable for more cost-efficient cabling. Ideal for classrooms, auditoriums, digital signage, trade shows and multimedia venues.

FEATURES

- Cascadable up to 72 displays via looping output port
- Composite video up to 2,200 ft. (670 m) via Cat 5
- S-Video up to 1,000 ft. (300 m) in color via Cat 5
- Supports NTSC, PAL and SECAM
- Works in conjunction with MuxLab part nos.: 500000, 500001, 500009, 500012, 500016, 500017, 500019, 500021, 500023

Anixter No.	Vendor No.	Description
275882	500200	Audio-Video Distribution Hub, 110 V

Component Video Hub

MUXLAB INC



The Component Video Hub allows one (1) full component video (YPbPr/RGB) source and one (1) digital audio video source to be distributed up to eight (8) or sixteen (16) destinations depending on the model for more cost-efficient cabling. The 500250 supports up to eight (8) ports. The 500252 supports up to sixteen (16) ports. The hub works in conjunction with the 500050, 500052 and other MuxLab baluns that support component video digital audio and analog audio. Digital signage, boardroom systems, multi-room systems, classroom training, retail systems, electronic billboards, electronic signs, video kiosks, point-of-sale displays, in-store video.

FEATURES

- Modular RJ45 on input and output
- Cascadable up to two (2) levels
- Supports 480i/p up to 1,000 ft. (305 m) via Cat 5
- Supports 720p/1080i/p up to 500 ft. (152 m) via Cat 5
- Supports digital or analog audio on fourth twisted pair
- Ground loop isolation on every port
- Integrates seamlessly with MuxLab baluns

Anixter No.	Vendor No.	Description
339738	500250	Component Video Hub, 8 ports, 110 V
339739	500251	Component Video Hub, 8 ports, 220/240 V
341103	500252	Component Video Hub, 16 ports, 110 V
341104	500253	Component Video Hub, 16 ports, 220/240 V

## Video Transmission and Wireless Products

# MuxLab

### Stereo Audio-Video Balun

MUXLAB INC



The Stereo Audio-Video Balun allows a single composite video signal and a maximum of two unbalanced audio signals to be transmitted via unshielded twisted-pair (UTP) cable in a point-to-point connection.

#### FEATURES

- Cost-effective cabling
- Up to 2,200 ft. (670 m) in color via Cat 5 UTP
- Includes one 9 in. coax (BNC/BNC) jumper cable

Anixter No.	Vendor No.	Description
275874	500001	Stereo Audio-Video Balun

### S-Video Balun

MUXLAB INC



The S-Video Balun allows one S-Video channel to be connected via two unshielded twisted pairs. Ideal for laptop presentations, home entertainment and digital signage applications.

#### FEATURES

- Up to 1,000 ft. via Cat 5 twisted pair
- 4-pin mini DIN to RJ45
- 5 in. cable lead for ease of installation

Anixter No.	Vendor No.	Description
275870	500016	S-Video Balun, 4-pin DIN to RJ45

### S-Video/Hi-Fi Balun

MUXLAB INC



The S-Video/Hi-Fi Balun allows a single S-Video signal to be transmitted via unshielded twisted-pair (UTP) cable up to 1,000 ft. (305 m) in a point-to-point connection.

The S-Video/Hi-Fi Balun features full audio bandwidth response for high-fidelity applications and features built-in color-coded cable leads for ease of installation.

#### FEATURES

- Up to 1,000 feet (305 m) via Cat 5 UTP
- 20 Hz to 20 kHz audio bandwidth
- Compact design for neater wiring
- Lifetime warranty

Anixter No.	Vendor No.	Description
339733	500038	S-Video/Hi-Fi Balun

### S-Video Hi-Fi Balun Wall Plate Balun - US

MUXLAB INC



The S-Video/Hi-Fi Wall Balun (500038-WP-US) allows a single S-Video signal to be transmitted via unshielded twisted-pair (UTP) cable up to 1,000 ft. (305 m) in a point-to-point connection. The S-Video/Hi-Fi Wall Balun features full audio bandwidth response for high fidelity applications and is Decora compatible for ease of installation. The S-Video/Hi-Fi Wall Balun works in pairs or in conjunction with the 500038 or 500017. Application include; classroom video distribution, commercial and home audio/video systems, hospital video training, video conferencing, and video kiosks.

#### FEATURES

- Up to 1,000 ft. (305 m) via Cat 5 UTP
- 20 Hz to 20 kHz audio bandwidth
- Decora compatible
- Lifetime warranty

Anixter No.	Vendor No.	Description
420760	500038-WP-US	S-Video/Hi-Fi Wall Plate Balun - US

S-Video/Audio Balun

MUXLAB INC



The S-Video/Audio Balun allows one S-Video channel and two audio channels to be connected via four unshielded twisted pairs. Ideal for boardroom presentation systems, home entertainment and digital signage systems.

**FEATURES**

- Up to 1,000 ft. via Cat 5 twisted pair
- 4-pin mini DIN for video
- RCA connectors for audio
- Built-in cable lead for ease of installation

Anixter No.	Vendor No.	Description
275880	500017	S-Video/Audio Balun, 4-pin DIN and RCA to RJ45

Dual Audio-Video Balun

MUXLAB INC



The Dual Audio-Video Balun allows two baseband video channels and two baseband audio channels to be transmitted via four unshielded twisted pairs for more cost-efficient cabling. Ideal for home entertainment, videoconferencing and audio-video distribution.

**FEATURES**

- Composite video up to 2,200 ft. (670 m) via Cat 5
- S-Video up to 1,000 ft. (300 m) via Cat 5
- Four (4) RCA connectors for audio and video
- RJ45 for twisted pair

Anixter No.	Vendor No.	Description
275879	500012	Dual Audio-Video Balun, RCA to RJ45

Quad Video Balun

MUXLAB INC



The Quad Video Balun allows up to four composite video signals to be transmitted via unshielded twisted-pair (UTP) cable in a point-to-point connection. Used in pairs, the Quad Video Balun eliminates up to four coaxial cables, allowing video equipment to be connected via space-efficient and cost-effective Category 5 twisted-pair cable. The Quad Video Balun also works in conjunction with other MuxLab composite video baluns such as the 500000, 500009 and 500021.

**FEATURES**

- Cost-efficient - replaces up to four coax cables
- Composite video up to 2,200 ft. (670 m) via Cat 5
- Component video up to 500 ft. (152 m) via Cat 5
- Compact design for neater wiring

Anixter No.	Vendor No.	Description
315571	500032	Quad Video Balun, RCA

Quad Audio Balun

MUXLAB INC



The Quad Audio Balun allows up to four analog line audio signals to be transmitted via unshielded twisted-pair (UTP) cable in a point-to-point connection. Used in pairs, the Quad Audio Balun allows up to four coax audio cables to be replaced by one Cat 5 cable. The Quad Audio Balun also works in conjunction with other MuxLab analog audio baluns such as the 500019.

**FEATURES**

- Cost-efficient cabling - save up to four cables
- Analog audio up to 5,000 ft. (1.5 km) via Cat 5
- Compact design for neater wiring

Anixter No.	Vendor No.	Description
315573	500033	Quad Audio Balun

## Video Transmission and Wireless Products

# MuxLab

### Analog Audio Balun

MUXLAB INC



The Analog Audio Balun allows any 75 ohm unbalanced analog audio signal to be transmitted via a single unshielded twisted-pair (UTP) cable for more cost-efficient cabling. Ideal for auditoriums, arenas, schools, home theatre systems, airports, hotels, hospitals and conference rooms.

#### FEATURES

- Up to 5,000 ft. (1.5 km) via Cat 5 UTP
- 40 to 20 kHz bandwidth
- Gold-plated RCA connector
- Cable strain relief
- Compact design

Anixter No.	Vendor No.	Description
275869	500019	Analog Audio Balun, RCA to screw terminal

### Component Video Balun

MUXLAB INC



The Component Video Balun allows a single component video signal (Y, Pb or Pr) to be transmitted via cost-effective unshielded twisted-pair (UTP) cable. Three balun pairs are required for one complete component (YPbPr) video connection.

#### FEATURES

- Three balun pairs required per YPbPr connection
- Component video up to 1,000 ft. (305 m) via Cat 5
- Composite video up to 2,200 ft. (670 m) via Cat 5
- Gold-plated connector
- Cable strain relief
- Compact design
- Supports 480i/p only

Anixter No.	Vendor No.	Description
275872	500021	Component Video Balun, RCA to screw terminal

### Component Video/Digital Audio Balun

MUXLAB INC



The Component Video/Digital Audio Balun allows one component video (YPbPr or RGB) signal and one digital audio signal to be transmitted via one Cat 5 twisted-pair cable for more cost-efficient cabling.

#### FEATURES

- Supports 480i/p up to 1,000 ft. (305 m) via Cat 5
- Supports 720p/1080i/p up to 500 ft. (152 m) via Cat 5
- Molded color-coded RCA cable leads
- Supports digital audio on fourth twisted pair
- Modular shielded RJ45 connector

Anixter No.	Vendor No.	Description
312789	500050	Component Video/Digital Audio Balun, M
366601	500051	Component Video/Digital Audio Balun, F

### Component Video/Analog Audio Balun

MUXLAB INC



The Component Video/Digital Audio Balun allows one component video (YPbPr or RGB) signal and one analog audio signal to be transmitted via one Cat 5 twisted-pair cable for more cost-efficient cabling.

#### FEATURES

- Supports 480i/p up to 1,000 ft. (305 m) via Cat 5
- Supports 720p/1080i/p up to 500 ft. (152 m) via Cat 5
- Molded color-coded RCA cable leads

- Supports analog audio on fourth twisted pair
- Modular shielded RJ45 connector



Anixter No.	Vendor No.	Description
366604	500052	Component Video/Analog Audio Balun, M
366605	500053	Component Video/Analog Audio Balun, F

Component Video/IR Pass-Thru Balun

MUXLAB INC



The Component Video/IR Pass-Thru Balun allows one component video (YPbPr or RGB) signal and one IR emitter pass-thru signal to be transmitted via one Cat 5 twisted-pair cable for more cost-efficient cabling.

FEATURES

- Supports 480i/p up to 1,000 ft. (305 m) via Cat 5
- Supports 720p/1080i/p up to 500 ft. (152 m) via Cat 5
- Molded color-coded RCA cable leads
- Supports IR emitter pass-thru on fourth twisted pair
- Modular shielded RJ45 connector



Anixter No.	Vendor No.	Description
366607	500054	Component Video/IR Pass-Thru Balun, M
366608	500055	Component Video/IR Pass-Thru Balun, F

Component Video/Analog Audio Wall Plate Balun

MUXLAB INC



The Component Video/Analog Audio Wall Plate Balun (500053-WP-US) allows one component video (YPbPr or RGB) signal and one analog audio signal to be transmitted via one Category 5e/6 twisted-pair cable for more cost-efficient cabling. Used in pairs or with the 500052/500053, the Component Video/Analog Audio Wall Plate Balun supports 480i/p, 720p and 1080i/p video formats for commercial and residential hi-definition (HDTV) video applications.

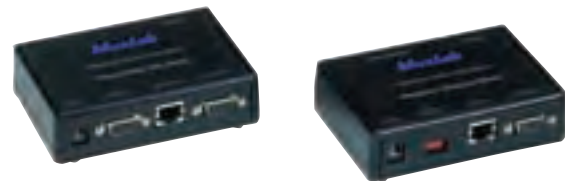
FEATURES

- Supports 480i/p, 720p, 1080i/p
- Supports 480i/p up to 1,000 ft. (305 m) via Cat 5e/6
- Supports 720p/1080i/p up to 500 ft. (152 m) via Cat 5e/6
- Supports analog audio on fourth twisted pair
- Decora compatible
- Modular shielded RJ45 connector

Anixter No.	Vendor No.	Description
420830	500053-WP-US	Component Video/Analog Audio Wall Plate Balun

Active VGA Balun Kit

MUXLAB INC



The Active VGA Balun Kit allows VGA video to be transmitted via cost-efficient unshielded copper twisted-cable in a point-to-point configuration. Each kit includes one transmitter and one receiver. The product supports up to 1,800x1,440 pixels for applications that require superior performance and features manual gain adjustment and local monitor output for added versatility.

FEATURES

- Up to 500 ft. (152 m) via Cat 5 TP at 1,600x1,200
- Support for local monitor
- Adjustable gain control

Anixter No.	Vendor No.	Description
321076	500035	Active VGA Balun Kit, 110 V

## Video Transmission and Wireless Products

# MuxLab

### VGA Balun

MUXLAB INC



The VGA Balun allows one VGA video channel to be connected via four twisted pairs for more cost-efficient cabling. Ideal for classrooms, lecture halls, auditoriums, digital signage, video information displays, online advertising, trade shows, DVR monitors, hotel and convention centers, laptop presentations and collaborative viewing.

#### FEATURES

- Save conduit space
- Up to 350 ft. (106 m) via Cat 5 at 800x600 resolution
- Supports PCs, laptops, CRT, DLP, plasma, LCD, touch screens
- One VGA connector for video and RJ45 for twisted pair
- Shielded twisted pair is highly recommended to ensure common signal ground between the VGA source and the VGA display



Anixter No.	Vendor No.	Description
275877	500010	VGA Balun, PC side, DB15HD-male
275878	500011	VGA Balun, monitor side, DB15HD-female
282002	500014	VGA Balun, monitor side, DB15HD-male

### VGA Balun II

MUXLAB INC



The VGA Balun II eliminates costly and bulky VGA cable, allowing a VGA source to be connected to a VGA monitor via one 4-pair Cat 5 unshielded twisted-pair (UTP) cable. Used in pairs, the VGA Balun II allows VGA video to be transmitted up to 350 ft. (107 m) via Cat 5 at 800x600 resolution. Each VGA connection requires MuxLab part no. 500040 or 500043 at the source and either part no. 500041 or 500042 at the display. The VGA Balun II works in conjunction with laptops, PCs, plasmas, CRT, LCD monitors and DLP projectors. Typical applications include digital signage, boardroom systems, classroom video instruction and custom audio-video systems. The product features a "reset" button that may be required when used in conjunction with certain sync-sensitive displays.

#### FEATURES

- Fully supports Cat 5 unshielded twisted pair (UTP)
- Cost efficient versus VGA cable
- Use existing structured cabling system
- Save conduit space
- Reset button on units may be required with certain sync-sensitive displays
- Not compatible with 500010, 500011, 500014, 500035 or 500036



Anixter No.	Vendor No.	Description
339735	500040	VGA Balun II, DB15 HD plug, PC side
339736	500041	VGA Balun II, DB15 HD receptacle, monitor side
339737	500042	VGA Balun II, DB15 HD plug, monitor side
366620	500043	VGA Balun II, DB15 HD receptacle, PC side

VGA Wall Plate Balun II - US

MUXLAB INC



The VGA Wall Balun II (500041-WP-US, 500043-WP-US) eliminates costly and bulky VGA cable, allowing a VGA source to be connected to a VGA monitor via one (1) Cat 5e/6 cable. The VGA Wall Balun II allows VGA video to be transmitted up to 350 ft. (107 m) via Cat 5e/6 at 800x600 resolution. The 500043-WP-US works with the 500041-WP-US or in conjunction with the 500041 or 500042. The 500041-WP-US works with the 500043-WP-US or in conjunction with the 500040 or 500043. Typical applications include digital signage, boardroom systems, classroom video instruction and custom audio-video systems. The product features a "reset" button that may be required when used in conjunction with certain sync-sensitive displays.

FEATURES

- Fully supports Cat 5e/6 unshielded twisted pair (UTP)
- Cost efficient versus VGA cable
- Decora compatible
- Save conduit space
- Reset button on units may be required with certain sync-sensitive displays. Not compatible with 500010, 500011 and 500014.

Anixter No.	Vendor No.	Description
420832	500041-WP-US	VGA Wall Plate Balun II, HD15F, monitor side
420833	500043-WP-US	VGA Wall Plate Balun II, HD15F, PC side

PS/2 Converter

MUXLAB INC



The PS/2 Converter allows a standard PS/2 keyboard and mouse to be connected to a PC up to 350 ft. (106 m) via Cat 5 unshielded twisted-pair cable in a point-to-point configuration. There are two models; 500045 and 500046. Both models work in pairs or in conjunction with each other for maximum cabling flexibility. The 500045 is designed to connect easily to a PS/2 keyboard and mouse. The 500046 is designed to connect easily to the PC.

FEATURES

- Up to 350 ft. (106 m) via Cat 5 UTP
- Color-coded cable leads
- Compact design

Anixter No.	Vendor No.	Description
321078	500045	PS/2 Converter - PS/2-receptacle, keyboard/mouse side
321079	500046	PS/2 Converter - PS/2-plug, PC/server side
330850	500047	PS/2 Converter Kit (500045 and 500046)

Stereo Audio Balun

MUXLAB INC



The Stereo Audio Balun allows unbalanced line level stereo analog audio to be transmitted via Cat 5 unshielded copper twisted pair (UTP) in a point-to-point connection.

The product is designed for audio applications where primarily midrange audio frequency response is required.

FEATURES

- Cost-efficient cabling
- Up to 5,000 ft. (1.5 km) via Cat 5 UTP
- Color-coded RCA cable leads
- Quicker moves, adds and changes
- Compact design

Anixter No.	Vendor No.	Description
339724	500027	Stereo Audio Balun

Video Transmission and Wireless Products

# MuxLab

## Stereo Hi-Fi Balun

MUXLAB INC



The Stereo Hi-Fi Balun allows unbalanced line level stereo analog audio to be transmitted via Cat 5 unshielded copper twisted pair (UTP) in a point-to-point connection. The product is designed for audio applications where full-range, hi-fidelity audio frequency response is required.

### FEATURES

- 20 Hz to 20 KHz bandwidth
- Cost-efficient cabling
- Up to 3,250 ft. (1 km) via Cat 5 UTP
- Color-coded RCA cable leads
- Quicker moves, adds and changes

Anixter No.	Vendor No.	Description
339731	500028	Stereo Hi-Fi Balun

## Stereo Hi-Fi / Video Balun

MUXLAB INC



The Stereo Hi-Fi / Video Balun (500039) allows a single composite video signal to be transmitted via unshielded twisted-pair (UTP) cable up to 2,200 ft. (670 m) in a point-to-point connection. The Stereo Hi-Fi/Video Balun features full audio bandwidth response for high-fidelity applications and features built-in color-coded cable leads for ease of installation.

### FEATURES

- Up to 2,200 ft. (670 m) via Cat 5 UTP
- 20 Hz to 20 kHz audio bandwidth
- Built-in color-coded cable leads
- Compact design for neater wiring
- Lifetime warranty

Anixter No.	Vendor No.	Description
339734	500039	Stereo Hi-Fi / Video Balun

## HDMI Econo Plus Extender Kit

MUXLAB INC



The HDMI Econo Plus Extender Kit (500401) allows HDMI equipment to be connected up to 90 ft. (27 m) via two Cat 5e unshielded twisted-pair cables in a point-to-point configuration at 1080p deep color (12-bit) resolution. The kit comes with one transmitter and one receiver. The product is the upgrade replacement to the 500400.

### FEATURES

- Up to 150 ft. (45 m) @ 1080p via Cat 5e
- Up to 90 ft. (27 m) @ 1080p deep color via Cat 6
- Connect via two Cat 5e cables
- Compact design

Anixter No.	Vendor No.	Description
414602	500401	HDMI Econo Plus Extender Kit

## HDMI IR/Extender Kit

MUXLAB INC



The HDMI IR/Extender Kit (500405) allows HDMI equipment to be connected up to 300 ft. (91 m) via two (2) Cat 5e/6 unshielded twisted-pair cables in a point-to-point configuration at 1080i resolution. The product also supports 1080p Deep Color up to 150 ft. (46 m) via two (2) Cat 6 cables. The kit includes one (1) transmitter, one (1) receiver, one (1) IR Emitter, one (1) IR Sensor and two (2) power supplies. The transmitter (500406) and receiver (500407) are also sold separately. Replacement IR Emitter (500998) and IR Sensor (500999) may be ordered.

### FEATURES

- Up to 150 ft. (46 m) @ 1080p Deep Color via Cat 6
- Up to 300 ft. (91 m) @ 1080i via Cat 5e/6
- Connect via two (2) Cat 5e/6 cables
- Includes IR Emitter and IR Sensor

Anixter No.	Vendor No.	Description
423710	500406	HDMI IR/Transmitter
423714	500407	HDMI IR/Receiver
420840	500405	HDMI, IR ExtenderKit



**HDMI 1x4 Distribution Hub**

MUXLAB INC



The HDMI 1x4 Distribution Hub (500420) allows one (1) HDMI source to be distributed to up to four (4) HDMI displays via two (2) Cat 5e/6 cables. The product supports up to 150 ft. (46 m) at 1080p/8-bit via Cat 5e cable on either side of the hub. The product supports remote IR control and works in conjunction with the HDMI IR/Extender (500405 [kit], 500406 [Tx] and 500407 [Rx]).

**FEATURES**

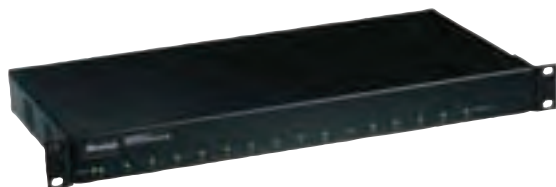
- Distributes one HDMI source to up to four displays
- Supports Cat 5e/6 on input and output sides
- Up to 150 ft. (46 m) @ 1080p via two (2) Cat 5e
- Up to 300 ft. (91 m) @ 1080i via two (2) Cat 5e
- Up to 150 ft. (46 m) @ 1080p Deep Color via Cat 6
- Cascadable
- Local HDMI output
- Includes one (1) IR Emitter for IR source control
- EDID configuration switch



Anixter No.	Vendor No.	Description
423716	500420	HDMI 1x4 Distribution Hub

**LongReach 16 Active CCTV Hub**

MUXLAB INC



The LongReach 16 Active CCTV Hub provides a complete "plug-and-forget" CCTV cabling solution via copper twisted-pair cable.

**FEATURES**

- Auto gain control on every port, no need for manual adjustments
- Up to 4,500 ft. (1.2 km) via Cat 5 UTP with passive CCTV baluns at cameras
- 500120: Connects to the DVR or switcher via twisted pair
- 500122: Connects directly to the DVR or switcher via coax
- Supports NTSC, PAL and SECAM

- Ground loop blocking
- Power requirements: North America: 24 V AC/60 VA, Europe: 24 V AC/70 VA

Anixter No.	Vendor No.	Description
282000	500120	LongReach 16 Active CCTV Hub, UTP/UTP, 110 V/24 V AC
282001	500122	LongReach 16 Active CCTV Hub, UTP/coax, 110 V/24 V AC

**IR Emitter**

MUXLAB INC



The IR Emitter (500998) works in conjunction with MuxLab products to support IR source control between the A/V source and the A/V display. The 500998 connects to an active balun transmitter. The IR Sensor (500999) is the complementary product that connects to the active balun receiver. The handheld remote control is not included.

**FEATURES**

- Suitable for IR data format: NEC code, RC5 code, RC6 code, Grunding code, RCA Code, Zenith code and Sony 12-bit code
- Carrier frequency: 38 kHz

Anixter No.	Vendor No.	Description
420853	500998	IR Emitter

**IR Sensor**

MUXLAB INC



The IR Sensor (500999) works in conjunction with MuxLab products to support IR source control between the A/V source and the A/V display. The 500999 connects to an active balun receiver. The IR Emitter (500998) is the complementary product that connects to the active balun transmitter. The handheld remote control is not included.

**FEATURES**

- Suitable for IR data format: NEC code, RC5 code, RC6 code, Grunding code, RCA Code, Zenith code and Sony 12-bit code
- Carrier frequency: 38 kHz

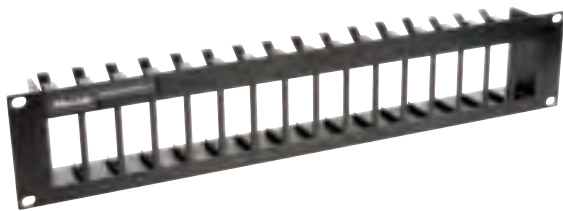
Anixter No.	Vendor No.	Description
420916	500999	IR Sensor

## Video Transmission and Wireless Products

# MuxLab

### Rackmount Balun Chassis 16

MUXLAB INC



The Rackmount Balun Chassis 16 is designed as a head-end cable management solution to allow any combination of MuxLab square baluns to be installed in a 19 in. relay rack. Head-end A/V equipment such as DVD players, video servers and sat boxes may be installed in a local wiring closet and connected to the Cat 5 structured cabling system via a wide array of MuxLab balun solutions. The panel is custom-tailored to allow any combination of up to sixteen MuxLab baluns to be installed. The baluns may be installed with the RJ45 either front or rear facing depending on where the Cat 5 cabling will enter or exit the system. At the display end, the appropriate MuxLab baluns are installed at the display to support a fully Cat 5 cabling solution. Each balun snaps into place and is held firmly by a spring latching mechanism. The one-piece design makes the product easy to install and maintain. There are no parts to lose or replace. Blank Filler Modules (500901) may be ordered separately to fill in unused slot positions.

#### FEATURES

- Space efficient - 2U height
- One-piece design
- Latching mechanism for secure installation
- Supports up to sixteen baluns
- Snap-in design for ease of installation
- Baluns install forward or rear-facing
- Includes four rack-mount screws and washers
- Slot number silkscreen on front and rear
- Blank Filler Modules (500901) sold separately

Anixter No.	Vendor No.	Description
349055	500900	Rackmount Balun Chassis 16

### Wall Mount Balun Fixture

MUXLAB INC



The Wall Mount Balun Fixture (500910) allows any MuxLab square balun to be installed behind a Decora-compatible wall plate for custom A/V installation. The baluns may be installed with the RJ45 either front or rear facing depending on where the Cat 5 cabling will enter or exit the system. At the head end, the appropriate MuxLab baluns are installed near the equipment to support a fully Cat 5 cabling solution. Each balun snaps into place and is held firmly by a spring latching mechanism. The one-piece design makes the product easy to install and maintain. There are no parts to lose or replace.

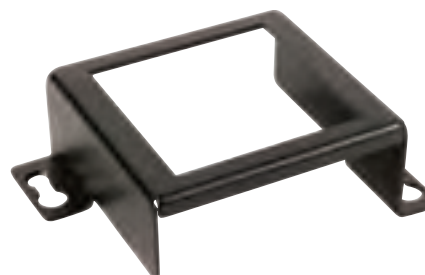
#### FEATURES

- Supports one (1) MuxLab square balun
- Decora compatible
- One-piece design
- Spring clip holds balun securely in place
- Baluns install forward or rear facing
- Snap-off mounting tabs for mounting versatility.
- Attaches to standard gang boxes and mud rings

Anixter No.	Vendor No.	Description
368149	500910	Wall Mount Balun Fixture

### Surface Mount Balun Plate

MUXLAB INC



The Surface Mount Balun Plate (500915) allows any MuxLab square balun to be installed on a wall or furniture surface for a more permanent and secure installation. Head-end A/V equipment such as DVD players, video servers and sat boxes may be installed in a local wiring closet and connected to the Cat 5 structured cabling system via a wide array of MuxLab balun solutions. The 500915 fully covers the balun and allows the pin configuration to be displayed for ease of reference. Mounting ears are positioned to allow multiple fixtures to be installed next to each other. The 500915 comes with two mounting screws and plastic anchors for drywall (gyproc) installation.

**FEATURES**

- One-piece design
- May be mounted close to each other
- Includes two mounting screws and anchors
- Balun sold separately

Anixter No.	Vendor No.	Description
368152	500915	Surface Mount Balun Plate

**Component/Composite Video Balun**

MUXLAB INC



The Component/Composite Video Balun allows one component video (YPbPr or RGB) signal and one composite video signal to be transmitted via one Cat 5 twisted-pair cable for more cost-efficient cabling.

**FEATURES**

- Supports 480i/p up to 1,000 ft. (305 m) via Cat 5
- Supports 720p/1080i/p up to 500 ft. (152 m) via Cat 5
- Molded color-coded RCA cable leads
- Supports composite video on fourth twisted pair
- Modular shielded RJ45 connector



Anixter No.	Vendor No.	Description
370226	500056	Component/Composite Video Balun, M
370227	500057	Component/Composite Video Balun, F

**Dual S-Video Balun**

MUXLAB INC



The Dual S-Video Balun allows up to two S-Video channels to be connected via one Cat 5 cable. Ideal for laptop presentations, home entertainment and digital signage applications. Also works with MuxLab rack-, surface- and wall-mount accessories.

**FEATURES**

- Up to 1,000 ft. via Cat 5 twisted pair
- Dual 4-pin mini DIN to RJ45
- Cat 5 cable optimized

Anixter No.	Vendor No.	Description
397824	500013	Dual S-Video Balun

**USB 4-Port Extender Kit**

MUXLAB INC



The USB 4-Port Extender Kit allows up to four (4) USB 1.1 full-speed or low-speed devices to be connected to a USB host via one (1) Cat 5e/6 cable. The USB Extender supports up to 150 ft. (46 m) in a point-to-point connection. The kit comes with one (1) host side adapter, one (1) device side transceiver and one (1) power supply for devices requiring 500 mA. The USB Extender Receiver may be installed in MuxLab rack-wall and surface-mount accessories for neater installation.

Anixter No.	Vendor No.	Description
394270	500070	USB 4-port, USB extender kit

## Video Transmission and Wireless Products

# MuxLab

### Component Video/Stereo Audio Balun

MUXLAB INC



The Component Video/Stereo Audio Balun (500058) allows one component video (YPbPr or RGB) signal and one (1) stereo audio channel to be transmitted via one (1) Cat 5e/6 twisted-pair cable for more cost-efficient cabling. The product features ground loop coupling (GLC) to help eliminate hum bars.

Anixter No.	Vendor No.	Description
394255	500058	Component Video/Stereo Audio Balun

### Active Component Video Balun Kit

MUXLAB INC



The Active Component Video Balun Kit allows component video, analog stereo audio and/or digital audio, plus one IR-emitter signal to be transmitted via one (1) Cat 5e/6 cable in a point-to-point configuration.

#### FEATURES

- Up to 1,000 ft. (305 m) via Cat 5e/6 @ 480i/p
- Up to 500 ft. (152 m) via Cat 5e/6 @ 1080p
- Supports simultaneous stereo and digital audio
- IR-Emitter pass-through
- Manual brightness compensation
- Manual sharpness compensation
- Ground loop isolation

Anixter No.	Vendor No.	Description
394256	500090	Active Component Video Balun Kit

### Active VGA Balun II Kit

MUXLAB INC

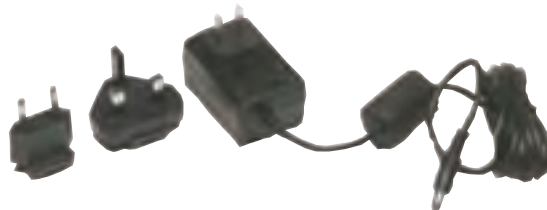


The Active VGA Balun II Kit allows VGA or component video to be transmitted via cost-efficient unshielded copper twisted-pair cable in a point-to-point configuration.

The product supports remote power pass-thru and is DDC compliant with all "plug-and-play" laptops, PCs and displays. The product supports up to 1,920x1,440 pixels and 1080p resolution and features manual gain adjustment and local monitor output for added versatility.

#### FEATURES

- Up to 600 ft. (180 m) via Cat 5e/6 @ 1,920x1,440
- Up to 600 ft. (180 m) via Cat 5e/6 @ 1080p
- Remote power pass-thru up to 150 ft. (46 m)
- DDC1/DDC2 (plug-and-play) compliant
- Manual gain compensation
- Local monitor output
- Ground loop isolation
- Includes U.S., UK and Euro blades



Anixter No.	Vendor No.	Description
394257	500140	Active VGA Balun II Kit (includes 1 Tx and 1 Rx)
420928	500141	Active VGA Balun II, transmitter only (pc side, no PSU for use with 500150)
394258	500142	Active VGA Balun II, receiver only (display), no PSU for use with 500150
394260	500144	Power Supply 100-240V/12 V DC/5 A for 500142

### VGA 1x4 Distribution Hub

MUXLAB INC



The VGA 1x4 Distribution Hub allows one (1) VGA (RGBHV) source to be distributed up to up to four (4) displays via Cat 5/6 cable for more cost-efficient cabling. The hub works in conjunction with the Active VGA Balun II Kit (500140) and Active VGA Balun II Receivers (500142). At least one (1) 500140 is required to support one (1) display. Up to three (3) additional 500142 may be added to support up to three (3) additional displays.

#### FEATURES

- Plug-and-play - DDC1 and DDC2 Compliant
- Remote power up to 150 ft. (46 m)
- Modular RJ45 on input and output
- Supports up to 1,920x1,440, 1080p

- Cascadable up to four (4) levels
- Ground loop isolation on every port
- Works in conjunction with 500140 and 500142

Anixter No.	Vendor No.	Description
394261	500150	VGA Hub, 4 ports, 110 V

Stereo AV/IR Pass-Thru Balun

MUXLAB INC



The Stereo AV/IR Pass-Thru Balun (500048, 500049) allows one (1) composite video, one (1) stereo audio and one (1) IR emitter signal to be transmitted via a single Cat 5e/6 cable in a point-to-point connection. The Stereo AV/IR Pass-Thru Balun features full audio bandwidth response for high-fidelity applications and features built-in color-coded cable leads for ease of installation.

FEATURES

- Video up to 2,200 ft. (670 m) via Cat 5e/6
- Audio up to 3,250 ft. (990 m) via Cat 5e/6
- 20 Hz to 20 kHz audio bandwidth
- IR 2-wire emitter pass-thru on fourth twisted pair
- Built-in color-coded cable leads
- Lifetime warranty



Anixter No.	Vendor No.	Description
394253	500048	Stereo AV/IR Pass-Thru Balun, M
394254	500049	Stereo AV/IR Pass-Thru Balun, F

CCTV Modular RCA Balun

MUXLAB INC



The CCTV Modular RCA Balun allows a single composite CCTV video signal to be transmitted via a single unshielded twisted-pair cable for more cost-efficient cabling.

FEATURES

- Up to 2,200 ft. via Cat 5 with analog mux or monitor
- Up to 1,000 to 1,500 ft. via Cat 5 with DVR equipment
- RCA-M to RJ45
- Compact, ergonomic design

Anixter No.	Vendor No.	Description
394251	500031	CCTV Modular RCA Balun

Stereo PC-Audio Balun

MUXLAB INC



The Stereo PC-Audio Balun allows unbalanced line level stereo analogue audio to be transmitted via Category 5/6 unshielded copper twisted pair (UTP) in a point-to-point connection. The product is designed for audio equipment equipped with 3.5 mm line-level stereo output such as PC sound cards, laptops and multimedia servers where midrange audio frequency response is required. The Stereo PC-Audio Balun also works in conjunction with other MuxLab products such as the 500019, 500001, 500012, 500017, 500027, 500028 and 500200 for a more complete cabling solution.

FEATURES

- Cost-efficient cabling
- Up to 5,000 ft. (1.5 km) via Cat 5/6 UTP
- Built-in 3.5mm stereo plug lead
- Quicker moves, adds and changes
- Compact design

Anixter No.	Vendor No.	Description
394252	500030	Stereo PC-Audio Balun

## Video Transmission and Wireless Products

# MuxLab

### Rackmount Balun Chassis 6

MUXLAB INC



The Rackmount Balun Chassis 6 is designed as a head-end cable management solution to allow any combination of MuxLab square baluns to be installed in a 19 in. relay rack. Head-end A/V equipment such as DVD players, video servers and sat boxes may be installed in a local wiring closet and connected to the Cat 5 structured cabling system via a wide array of MuxLab balun solutions. The panel is custom-tailored to allow any combination of up to six MuxLab baluns to be installed. The baluns may be installed with the RJ45 either front or rear facing depending on where the Cat 5 cabling will enter or exit the system. At the display end, the appropriate MuxLab baluns are installed at the display to support a fully Cat 5 cabling solution. Each balun snaps into place and is held firmly by a spring latching mechanism. The one-piece design makes the product easy to install and maintain. There are no parts to lose or replace. Blank Filler Modules (500901) may be ordered separately to fill in unused slot positions.

#### FEATURES

- Space efficient - 1U height
- One-piece design
- Latching mechanism for secure installation
- Supports up to six baluns
- Snap-in design for ease of installation
- Baluns install forward or rear-facing
- Includes four rack-mount screws and washers
- Slot number silkscreen on front and rear
- Blank Filler Modules (500901) sold separately

Anixter No.	Vendor No.	Description
420919	500902	Rackmount Balun Chassis 6

### Component Video/Stereo Audio Wall Plate Balun - US

MUXLAB INC



The Component Video/Stereo Audio Wall Plate Balun (500058-WP-US) allows one component video (YPbPr or RGB) signal and one (1) stereo audio channel to be transmitted via one (1) Cat 5e/6 twisted-pair cable for more cost-efficient cabling. The product fits Decora compatible outlet boxes for neater wall-mount installation. Used in pairs or in conjunction with the 500058, the Component Video/Stereo Audio Balun supports high-definition resolution and true left/right stereo audio for hi-fidelity commercial and residential A/V applications.

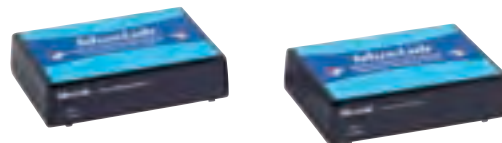
#### FEATURES

- Supports true hi-fi left/right analog stereo audio ground loop coupling (GLC) (U.S. patent pending)
- Decora compatible wall plate standard
- Modular shielded RJ45 connector
- Not compatible with 500050/51/52/53/54/55/56/57/250/251/252/253

Anixter No.	Vendor No.	Description
420923	500058-WP-US	Component Video/Stereo Audio Wall Plate Balun

### Active VGA/Audio Balun Kit

MUXLAB INC



The Active VGA/Audio Balun Kit (500145) allows VGA and stereo or digital audio to be transmitted via cost-efficient unshielded copper twisted-pair cable in a point-to-point configuration. The product also supports RS-232, is DDC compliant and works in conjunction with MuxLab's IR Emitter (500998) and IR Sensor (500999) to support IR source control. Tx and Rx also sold separately. The product supports up to 1,920x1,200 resolution and features manual brightness, sharpness and skew adjustments. Applications include; digital signage, residential, boardroom, classroom, medical imaging video systems.

#### FEATURES

- Up to 600 ft. (180 m) via Cat 5e/6 @ 1,920x1,200
- Supports analog stereo or digital audio
- Supports RS-232 or IR control
- DDC1/DDC2 (plug-and-play) Compliant
- Brightness, sharpness and skew adjustments
- Local VGA/audio monitor output
- Ground loop isolation

Anixter No.	Vendor No.	Description
420945	500145	Active VGA/Audio Balun kit (includes 1 Tx and 1 Rx)

### VGA 4x1 Switcher

MUXLAB INC



The VGA 4x1 Switcher allows up to four (4) VGA (RGBHV) sources to be switched to one (1) display via Cat 5e/6 cable for more cost-efficient cabling. The switcher works in conjunction with the Active VGA Balun II (500140) and Active VGA Balun II Transmitter (500141). At least one (1) 500140 is required to support one (1) source

and one (1) display. Up to three (3) additional 500141 may be added to support up to three (3) additional sources.

**FEATURES**

- Auto and manual switching modes
- Control via: manual, IR, RS-232 and USB
- Plug-and-play - DDC1 Compliant
- Remote power up to 150 ft. (46 m)
- Modular RJ45 on input and output
- Supports up to 1,920x1,440, 1080p
- Includes GUI software and IR remote
- Works in conjunction with 500140/141/142
- May be cascaded with VGA 1x4 Hub (500150)

Anixter No.	Vendor No.	Description
420947	500160	VGA 4X1 Switcher, 110 V

**Stereo AV/IR Pass-Thru Wall Plate Balun - US**

MUXLAB INC



The Stereo AV/IR Pass-Thru Wall Plate Balun (500049-WP-US) allows one (1) composite video, one (1) stereo audio and one (1) IR emitter signal to be transmitted via a single Cat 5e/6 cable in a point-to-point connection. The Stereo AV/IR Pass-Thru Wall Plate Balun features full audio bandwidth response for high-fidelity applications and is Decora-compatible. The Stereo AV/IR Pass-Thru Wall Plate Balun works in pairs or in conjunction with the 500048 or 500049. Some of the applications are; classroom video distribution, commercial and home audio/video systems, hospital video training, videoconferencing and video kiosks.

**FEATURES**

- Video up to 2,200 ft. (670 m) via Cat 5e/6
- Audio up to 3,250 ft. (990 m) via Cat 5e/6
- 20 Hz to 20 kHz audio bandwidth
- IR 2-wire emitter pass-thru on fourth twisted pair
- Built-in color-coded cable leads
- Compatible with Decora face plates

Anixter No.	Vendor No.	Description
420948	500049-WP-US	Stereo AV/IR Pass-Thru Wall Plate Balun

**MonoPro XLR**

MUXLAB INC



The MonoPro XLR (500025, 500026) allows a standard AES analog or digital audio channel to be connected via Cat 5e/6 unshielded twisted-pair cable (UTP) for the professional audio environment. The product features heavy-duty cable strain relief for rugged environments such as rental and staging and is available with male or female locking XLR3 connectors for added cabling versatility. May also be used as a solderless connection point for standard shielded audio cable.

**FEATURES**

- Line analog audio up to 5,000 ft. (1.5 km) via Cat 5
- Digital audio up to 1,400 ft. (426 m) via Cat 5e/6 UTP
- Wires terminate inside balun
- Locking XLR3 connector
- Heavy-duty cable strain relief
- Supports UTP or STP



Anixter No.	Vendor No.	Description
306927	500025	MonoProX XLR, XLR3M
306928	500026	MonoProX, XLR, XLR3F

## Video Transmission and Wireless Products

# Proxim

### Tsunami QuickBridge 8150

PROXIM



Proxim Wireless introduces a new high-speed wireless multipoint system, the Tsunami QB 8150, a platform that bests all previously held records in the industry for outdoor wireless performance and speed. With incredible channel capacity and flexibility, excellent spectrum efficiency and a highly evolved prioritization platform tailored to deliver voice, video and data applications, the Tsunami QB 8150 satisfies wireless service providers and enterprise customers with requirements for fast and reliable wireless connectivity with quality of service. Leveraging the advantages of latest MiMO radio innovations, the Tsunami QB 8150 draws on Proxim's proprietary and the industry's best Wireless Outdoor Router Protocol (WORP) to deliver wireless performances in excess of 4G.

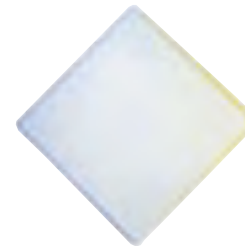
#### FEATURES

- The only point-to-point system to deliver over 100 Mbps of TCP/UDP throughput
- Flexible channel planning from 4.9 to 6 GHz and 2.3 to 2.5 GHz
- Built-in feature-rich network protocols for bridging, routing and gateway functionality
- Advanced encryption protects over-the-air transmission via AES
- Radio mutual authentication eliminates unauthorized use of the system by rogue Subscriber Units and man-in-the middle attacks
- MAC, Ethertype, IP address packet filtering provides granular network security
- Highly secured remote management access via SSL, SSH and SNMPv3
- Proxim's proprietary Wireless Outdoor Routing Protocol (WORP) prevents snooping

Anixter No.	Vendor No.	Description
396929	QB-8150-EP-100-US	Tsunami QB 8150 End Point, 100 Mbps, 5 GHz, MiMO 2x2, 23.5 dBi, integrated antenna
396933	QB-8150-LNK-100-US	Tsunami QB 8150 Link, 100 Mbps, 5 GHz, includes two end points (QB 8150-EP-100-US) and two 50 m STP Ethernet cables

### Tsunami MP8100

PROXIM



Proxim Wireless, with over 20 years of wireless innovation, introduces to the world the Tsunami MP8100, a platform that shatters all previously held records for performance and speed in the wireless industry. With incredible channel capacity, excellent spectrum flexibility and a prioritization platform for delivering voice, video and data applications, the MP8100 satisfies service provider and enterprise requirements for fast and worry-free wireless connectivity.

Leveraging the advantages of OFDM and MiMO radio innovations, the Tsunami MP8100 through Proxim's proprietary Wireless Outdoor Router Protocol (WORP) brings performance in excess of current 4G technologies to the market today.

#### FEATURES

- The only fixed point-to-multipoint system to deliver over 100 Mbps of wireless throughput
- Full-rate Gigabit or Fast Ethernet performance under all traffic loads using WORP
- Military grade security through the use of AES encryption technology
- Prevents unsecure client to client communications
- MAC, Ethertype, IP address packet filtering provides granular network security
- Non-line-of-sight capable utilizing OFDM and enhanced multipath to penetrate through obstructions better
- Packet identification to create unique and sophisticated service rules
- Create tiered service classes with ease
- Compact outdoor form factor
- PoE out to power other devices like surveillance cameras and wireless access points
- Dual Gigabit Ethernet ports

Anixter No.	Vendor No.	Description
396937	MP-8100-BSUR-100	Tsunami MP8100, 100 Mbps, base station unit with type-N connectors
396938	MP-8150-SUR	Tsunami MP8100 subscriber unit with 5 GHz, dual polarity, 23 dBi integrated panel antenna
396939	MP-8100-SUA	Tsunami MP8100 subscriber unit with type-N connectors



ORiNOCO AP-4000MR-LR and AP-4900MR-LR

PROXIM



High-capacity, ORiNOCO outdoor mesh access points deliver flexible, scalable and reliable data, voice and video for large metropolitan, enterprise and public safety Wi-Fi deployments. The dual-radio architecture separates the mesh backhaul traffic from the edge of access traffic, increasing capacity and reducing interference compared to single radio mesh architectures. One radio provides 2.4 GHz 802.11b/g client access from virtually any portable device, while the other can be configured for 5.8 or 4.9 GHz mesh backhaul to connect multiple access points in a self-forming, self-healing network. The ORiNOCO Mesh Creation Protocol (OMCP) compensates for failure in a single wired connection or node by rerouting traffic around the mesh. Housed in a ruggedized enclosure, the AP-4000MR-LR and AP-4900MR-LR can be deployed in extreme outdoor weather conditions. Seamless integration between ORiNOCO indoor and outdoor mesh access points enable existing indoor Wi-Fi mesh networks to extend outdoors.

Additional features include: quality of service (QoS) to handle voice and data; link security using AES encryption, supports both fixed-mesh (all APs mounted statically) or mobile-mesh (in-vehicle versions of the mesh AP interacting with APs mounted statically) configurations; and VLAN information is kept intact over mesh links to enable virtual networking.

**FEATURES**

- Industry-leading throughput with 802.11g and 802.11a simultaneous operation
- Self-forming and self-healing ORiNOCO Mesh Creation Protocol automatically routes traffic through the best path as mesh access points are added or removed from the network
- Ethernet redundancy sustains network connections by automatically configuring mesh portals to mesh access points when mesh portals lose Ethernet link
- All paths are calculated, one path is active, but allows instantaneous change if new route is needed
- Automatically heals the network if a Wi-Fi cell fails by rerouting the paths so all client traffic can continue to get through
- 802.11i-compliant Wi-Fi Protected Access (WPA2) security with AES encryption
- WMM/802.11e draft quality of service (QoS) support on access and enhanced QoS on mesh backhaul for triple-play applications
- Twice the memory of other access points, ensuring software upgradability
- Dual firmware image support and automatic access point configuration increases WLAN reliability
- Rogue access point detection, searches for unauthorized access points in 2.4 GHz, 5 GHz and 4.9 GHz networks
- 16 VLANs per radio with support for mixed security settings
- Remotely manageable via SNMPv3, HTTPS and Telnet
- Additional mesh statistics improve mesh network monitoring
- Low power consumption reduces operating expense
- Tools to speed installation: automatic channel selection and adjustable transmit power
- Two N-type female connectors for external 2.4 GHz, 5 GHz and 4.9 GHz antennas

- Power over Ethernet and AC power support
- Wi-Fi certified for compatibility with other devices

Anixter No.	Vendor No.	Description
330985	8670-MR-LR-US	AP-4000MR-LR, outdoor mesh access point, 2.4 GHz and 5.8 GHz
330987	8670-MR-LR-PS-US	AP-4900MR-LR, outdoor mesh access point, 2.4 GHz and 4.9 GHz (public safety)

MeshMAX 5054

PROXIM



As the market demand for city- or campus-wide mobile connectivity, security, and network scalability increases, there is an escalating need for carrier-grade wireless broadband solutions to provide best of breed in wireless distribution and access technologies. Proxim's MeshMAX 5054 integrates three technologies in one unit. The new MeshMAX 5054 product is a tri-radio outdoor device, offering Wi-Fi connectivity for access, Wi-Fi mesh gateway for network redundancy and a high-capacity, carrier-class WiMAX link in the unlicensed 5 GHz frequencies for backhaul and high-speed vehicular roaming. The convergence of these three technologies delivers end-to-end QoS for triple-play applications and reduction in total cost of ownership. The MeshMAX 5054WM consists of one radio for WiMAX backhaul in the unlicensed 5 GHz range, one radio for Wi-Fi mesh and one radio for 802.11b/g Wi-Fi access. Expanding Wi-Fi coverage, the 5054W includes one radio for WiMAX backhaul and two radios for tri-mode Wi-Fi access, supporting 802.11a and 802.11 b/g clients. The MeshMAX 5054 provides an optimal solution which brings Internet connectivity and applications to where the customers are and where they want to be.

**FEATURES**

- Tri-radio design provides one radio for unlicensed 5 MHz WiMAX backhaul for distribution, one radio for Wi-Fi mesh link and one radio for exclusive Wi-Fi access traffic
- End-to-end QoS from access to distribution to support voice and video
- Low latency enables VoIP
- Enhanced security with AES encryption protects over the air transmission on all three links
- Fast handoff at speeds up to 200 km per hour (120 miles per hour) with handoff times as low as 40 ms enables mobile roaming applications such as public safety networks, transportation systems monitoring and mobile security and surveillance
- Scalable, flexible end-to-end Proxim solutions allow for ease in expansion of network

Anixter No.	Vendor No.	Description
396934	9200-AM0	MeshMAX 5054WM Tri-radio, WiMAX 5 GHz subscriber and Wi-Fi Mesh access point
396935	9201-AM0	MeshMAX 5054W Tri-radio, WiMAX 5 GHz subscriber and Wi-Fi access point

## Video Transmission and Wireless Products

# Proxim

### QuickBridge 60250

PROXIM



Proxim's QuickBridge 60250 is a point-to-point wireless bridge operating in the 60 GHz license-free band. It is a complete hop-in-a-box wireless bundle delivering 250 Mbps of robust connectivity up to 500 m. Its small form factor, alignment bracket and alignment scope make the QuickBridge 60250 easy to deploy and install. The Proxim QuickBridge 60250 bundle is one of the easiest to install broadband wireless bridges on the market. Requiring no training or wireless experience, it can be installed within hours. Each solution includes everything needed to set up a link right out of the box including radio units, mounting hardware, power injectors and documentation. Ice bridge provides additional protection from rain, snow and ice formation. Ethernet cable is used for data and power.

#### FEATURES

- Small, compact size and weight
- Fast and easy deployment
- Extremely high link availability
- Low power consumption
- Single Ethernet cable for data and power
- Low latency
- Power over Ethernet (PoE)
- Easy status monitoring via HTML user interface and SNMP capabilities

Anixter No.	Vendor No.	Description
359948	60250-QB-US	QuickBridge 60250 - 60 GHz, 100 Mbps full duplex (200 Mbps aggregate), 10/100BT, integral 38 dBi 6 in. antenna

### Tsunami QuickBridge.11 Series

PROXIM



The Tsunami QuickBridge.11 family operates in the unlicensed frequency spectrums of 2.4 and 5 GHz (5.25, 5.47, and 5.725) and the 4.9 GHz band, licensed for public safety. The QuickBridge bundle includes a master and slave unit with integrated antennas and comes complete with a set of accessories to ease outdoor

installations. As the most cost-effective point-to-point solution from Proxim, any deployments will enjoy a quick return on investment.

#### FEATURES

- Suitable for the service provider, municipal and education markets
- Designed with the same high quality and reliability that are synonymous with all Proxim Tsunami wireless bridges
- Hop-in-a-box solution includes two radios with integrated antennas, outdoor-rated Ethernet cables, mounting hardware, power injectors and documentation
- Preconfigured software defaults and easy-to-use graphical user interface eliminate guesswork during installation
- Audible tones ensure antennas are properly aligned
- 5 MHz channel increases the number of nonoverlapping channels from 20 to 80+ in the 5 GHz and from 3 to 13 in the 2.4 GHz spectrums
- With the high number of non-overlapping channels, products can be used as high-bandwidth CPE (customer premise equipment) within a limited coverage area
- Less likely to offend neighboring wireless systems
- Using the integrated antennas also used in the MP.11, the QuickBridge.11 produces the same radio characteristics
- Same ruggedized enclosures allow the use of common accessories, resulting in reduced inventory and preservation of investments
- Identical CLI and graphical software interfaces reduce training costs and accelerate installation and troubleshooting
- Proxim's Wireless Outdoor Routing Protocol (WORP) prevents snooping common to Wi-Fi systems
- Advanced encryption protects over-the-air transmission via AES
- Radio mutual authentication eliminates unauthorized use of the system by rogue Subscriber Units and man-in-the middle attacks
- Password protection of all remote management methods

Anixter No.	Vendor No.	Description
288003	5054-QB-US	QuickBridge.11 Model 5054-R bundle, 5 GHz
330982	5054-QB-LR-US	QuickBridge.11 Model 5054-R-LR bundle, 5 GHz, high-power version for extended range
330984	2454-QB-US	QuickBridge.11 Model 2454-R bundle, 2.4 GHz
353612	4954-QB-US	QuickBridge.11 Model 4954-R bundle, 4.9 GHz

### Tsunami.GX 32, Tsunami.GX 90 and Tsunami.GX 200

PROXIM



Proxim's Tsunami.GX is a full-duplex point-to-point wireless Ethernet bridge with an innovative split-box design. This latest generation of high-capacity wireless bridges is

designed to reduce the expense of extending IP networks and to simplify installation. Secure wireless technology significantly reduces total cost of ownership and speeds deployment, while a split-box design adds installation flexibility. The Tsunami.GX also provides best-in-class system performance with native IP interfaces by eliminating the overhead associated with DS3-to-Ethernet connections.

**FEATURES**

- Standards-based SNMP management and Web-based GUI simplifies remote management and integrates easily into existing software platforms
- Built-in spectrum analyzer and an alarm log facilitate RF planning and post-deployment tuning
- Perfect for data and data/voice network backhaul applications and for replacing, extending or backing up leased lines
- Indoor-only installation facilitates quick maintenance and easier upgrades
- Indoor/outdoor installation improves system gain and reduces total cost of ownership
- High capacity for bandwidth-intensive applications such as PBX extension, data backhaul and critical link redundancy
- No expensive recurring leased line costs
- Superior system gain ensures consistent, high-quality network operation
- Over 99.999 percent reliable RF transmission
- Meets or exceeds wired network security
- Proprietary encryption methods ensure secure data transmission

**TSUNAMI.GX 32**

Tsunami.GX 32 is a full-duplex point-to-point wireless Ethernet bridge with an innovative split-box design. This latest generation of high-capacity wireless bridges is designed to reduce the expense of extending IP networks and to simplify installation.

Anixter No.	Vendor No.	Description
309046	64765	Tsunami.GX 32, 5.8 GHz ISM System, low band
309047	64766	Tsunami.GX 32, 5.8 GHz, ISM System, high band

**TSUNAMI.GX 90**

The Tsunami.GX 90 operates in the unlicensed 5.8 GHz or 5.3 GHz frequency band and provides DS-3 (45 Mbps full-duplex) IP + 2 x T1 capacity. (including a total bandwidth of 90 MB for T1.) The unique split-box design and high system gain enable installation and support flexibility. Also, incorporates advanced diagnostics tools and standards-based management.

Anixter No.	Vendor No.	Description
309424	67255	Tsunami.GX 90, 5.8 GHz ISM System, low band
309425	67254	Tsunami.GX 90, 5.8 GHz ISM System, high band

**TSUNAMI.GX 200**

Tsunami.GX 200 is a 100 Mbps (200 Mbps full duplex) capacity, full-duplex point-to-point wireless Ethernet bridge designed for Enterprise IP and PBX extension and for Internet Service Provider data backhaul.

Anixter No.	Vendor No.	Description
315322	301-58010-51L0	Tsunami.GX 200, 5.8 GHz ISM System, low band
315323	301-58010-51H0	Tsunami.GX 200, 5.8 GHz ISM System, high band

**Tsunami MP.11 Series**

**PROXIM**



**FEATURES**

- With a Peltier heating and cooling technology inside a ruggedized enclosure, all models can be deployed in extreme weather conditions
- Frequency support for 2.4 GHz, 5 GHz, 4.9 GHz and 900 MHz
- Investment protection through common concept of network design and software feature sets, which includes mobile roaming, rich management capabilities, the most advanced encryption with AES and authentication via RADIUS, antenna alignment utility, and revenue-enhancing services with bandwidth control, NAT/DHCP
- IEEE 802.16 (WiMAX) QoS with eight classes of service, with up to eight service flows per class
- Fast handoff at speeds up to 200 kph (120 mph)
- Customizable roaming parameter maintains minimum bandwidth required for application performance
- Dynamic Data Rate Selection automatically compensates for temporary link degradation, maintaining robust connectivity and mitigating service calls
- Proxim's Wireless Outdoor Routing Protocol (WORP) prevents snooping common to Wi-Fi systems
- Advanced encryption protects over-the-air transmission
- Intracell blocking forbids direct communications between Subscriber Units
- BSU and SU mutual authentication eliminates unauthorized use of system by rogue SUs and man-in-the-middle attacks
- Password protection of all remote management methods
- Decrease Subscriber Unit configuration time with integrated and vertical/horizontal polarized antennas
- Eliminate guesswork in locating the remote antennas with audible tone and real-time signal strength measurements
- Support for both local and remote management, removing the need for expensive on-site supports

**TSUNAMI MP.11 MODELS 5054-R AND 2454-R**

This product received the 2006 Frost & Sullivan Product Innovation Award for "truly innovative WiMAX solutions". Drawing on the Proxim leadership in the WiMAX arena, the Tsunami MP.11 2454-R and 5054-R have been developed as platforms to enable WiMAX applications. The ready availability of the 2.4 GHz or 5.8 GHz frequency bands at which this system operates, plus the low-cost single-sector base station approach, means that this technology is now affordable for a wide range of service providers and businesses. The MP.11 is capable of supporting converged voice, video and data transmission in fixed and mobile applications, bringing capabilities of the WiMAX IEEE 802.16e standard to market now. Existing MP.11 installations can even be upgraded in the field.

Continued on next page >>

## Video Transmission and Wireless Products

## Proxim

*(continued)* Tsunami MP.11 Series

## TSUNAMI MP.11 MODELS 5054-R AND 2454-R

Anixter No.	Vendor No.	Description
315916	2454-BSUR-US-WORLD	Ruggedized base station unit with type-N connector, 2.4 GHz
315914	2454-SUR-US	Ruggedized subscriber unit with 16 dBi integrated antenna, 2.4 GHz
315915	2454-SUA-US-WORLD	Ruggedized subscriber unit with type-N female connector, 2.4 GHz
288846	5054-BSUR-US	Ruggedized base station unit with type-N connector, 5 GHz
330973	5054-BSUR-LR-US	High-power base station unit with type-N connector, 5 GHz
305791	5054-SUR-US	Ruggedized subscriber unit with 23 dBi integrated antenna, 5 GHz
288847	5054-SUA-US	Ruggedized subscriber unit with type-N female connector, 5 GHz
330976	5054-SUR-LR-US	High-power subscriber unit with integrated 23 dBi antenna for extended range, U.S. PSU, 5 GHz
330977	5054-SUA-LR-US	High-power subscriber unit with type-N connector for extended range, U.S. PSU, 5 GHz

## TSUNAMI MP.11 MODEL 4954-R

The MP.11 4954-R enables municipalities and state governments to rapidly deploy secure, reliable broadband connectivity for public safety voice, video and data applications - all through advanced broadband wireless networking. Advanced features include: WiMAX quality of service (QoS); roaming with seamless handoffs at speeds up to 200 kph and dynamic data rate selection (DDRS). Available for ruggedized outdoor deployments, the MP.11 4954-R is capable of supporting converged voice, video and data transmission in fixed and mobile applications, bringing capabilities of the mobile WiMAX (IEEE 802.16e) standard to the 4.9 GHz licensed band now with 5/10/20 MHz channel bandwidths and scalable performance from 1.5 to 54 Mbps - all selectable via simple user interfaces. The Tsunami MP.11 4954-R, the QuickBridge.11 4954-R, and the ORINOCO Public Safety Wi-Fi Mesh Access Points (4900M and 4900MR-LR) form a complete wireless product suite to rapidly build and upgrade public safety networks.

Anixter No.	Vendor No.	Description
353604	4954-BSUR-US	Ruggedized base station unit with type-N connector, 4.9 GHz
353605	4954-SUR-US	Ruggedized subscriber unit with 21 dBi integrated antenna, 4.9 GHz
353606	4954-SUA-US	Ruggedized subscriber unit with type-N female connector, 4.9 GHz

## TSUNAMI MP.11 MODEL 954-R

Designed for non-line-of-sight deployments, Model 954-R is the optimal choice for remote subscribers in dense areas where foliage and other obstructions are a challenge to overcome. With the addition of the 954-R products, the Tsunami MP.11 Series offers a solution to provide broadband wireless access to any customer - whether remote or local, line-of-site or non-line-of-site. The Tsunami MP.11 954 design enables flexible and easy deployment. Housed in a ruggedized enclosure with an N-female connector, the base station can be deployed in extreme weather conditions with a variety of external antennas. Antenna alignment tool and

secure local and remote management guarantee quick installation and maintenance. Advanced features include: WiMAX quality of service (QoS); roaming with seamless handoffs at speeds up to 200 kph and dynamic data rate selection (DDRS).

Anixter No.	Vendor No.	Description
353607	954-BSUR-US	Ruggedized base station unit with type-N connector, 900 MHz
353608	954-SUA-US	Ruggedized subscriber unit with type-N female connector, 900 MHz

## TSUNAMI MP.11 MODEL 5012

Proxim Wireless expands the industry-leading Tsunami MP.11 product family with the economical outdoor subscriber unit ideal for large-scale wireless deployments. The 5012-SUR reduces the cost barrier for broadband wireless access to all end-users, and offers an aggressive ROI for service providers and network operators.

Anixter No.	Vendor No.	Description
355554	5012-SUR-US	Outdoor subscriber unit with integrated 18 dBi antenna, FCC only, 5 GHz

## Tsunami MP.11 HS (High Security)

## PROXIM



The Tsunami MP.11 HS (High Security) is an ultra-secure broadband wireless solution for wireless video, data connectivity, VoIP and mobility, combining FIPS 140-2 level 2 compliance, advanced AES-256 encryption, and secure management to meet strict U.S. Federal Government standards. Though designed to meet or exceed the security requirements of government customers, the Tsunami MP.11 HS also provides utilities and ultra-secure enterprises - including financial and healthcare institutions - with government-grade wireless security.

Anixter No.	Vendor No.	Description
396908	245054-BSUR-R	Ruggedized base station unit with type-N connector, 2.4 or 5 GHz
396910	245054-SUA-R	Ruggedized subscriber unit with type-N female connector, 2.4 or 5 GHz
396911	245054-SUR	Ruggedized subscriber unit with 23 dBi integrated antenna, 2.4 or 5 GHz
396913	245054-SU-S	Indoor subscriber station with SMA connector, 2.4 or 5 GHz

Tsunami MP.11 Antennas

PROXIM



To help customers simplify the ordering, installation and support of their Tsunami MP.11 broadband wireless network, Proxim offers a wide variety of antennas and accessories that complete your networking solution.

ANTENNAS FOR MODELS 2454-R (2.4 GHZ)

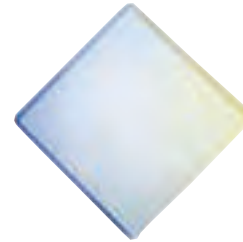
Anixter No.	Vendor No.	Description
546331	848515722	ORINOCO omnidirectional vehicle antenna, 5 dBi, with integrated 250 cm cable
546330	848312591	7 dBi omnidirectional base station antenna, with standard N-type connector, female
546329	848515698	10 dBi omnidirectional base station antenna, with standard N-type connector, female
546326	848515706	12 dBi directional wide angle antenna, 120°, with standard N-type connector, female
546327	848274221	14 dBi directional yagi antenna, with standard N-type connector, female
546328	848515714	24 dBi directional parabolic grid antenna, with standard N-type connector, female

ANTENNAS FOR MODELS 5054 AND 5054-R (5 GHZ)

Anixter No.	Vendor No.	Description
269510	5054-OA-8	8 dBi omnidirectional antenna - St-N female - 5.47-5.850 GHz
269511	5054-OA-10	10 dBi omnidirectional antenna - St-N female - 5.47-5.850 GHz
269513	5054-SA60-17	17 dBi sector antenna - St-N female - 5.25-5.850 GHz - 60 degrees
269509	5054-WA-15-STN	15 dBi window antenna - St-N female - 5.25-5.875 GHz
269514	5054-PA-18	18 dBi panel antenna - St-N female - 5.25-5.875 GHz
269515	5054-PA-23	23 dBi panel antenna - St-N female - 5.725-5.875 GHz
269512	5054-SA120-14	14 dBi sector antenna - St-N female - 5.25-5.850 GHz - 120 degrees

Tsunami MP.16 3650

PROXIM



The Tsunami MP.16 3650 offers WISPs and service providers the most scalable and cost-effective system for taking advantage of the 3.65 GHz frequency band. The MP.16 3650 consists of an all-outdoor, single-sector base station and multiple subscriber configurations (integrated antenna or N-Connector for external antenna).

FEATURES

- Ruggedized enclosure, enabling the 3650 to be deployed outdoors at any customer location, without requiring a temperature-controlled environment
- Frequency support for 3.65 GHz band
- AES Security
- Advanced revenue-enhancing features are standard including flexible bandwidth provisioning for DSL, E1 or Ethernet-like tiered services

Anixter No.	Vendor No.	Description
396901	3650-B00-AM0	Base station unit with type-N connector, 3.65 GHz
396903	3650-S00-AM0	Subscriber unit with type-N female connector, 3.65 GHz
396904	3650-S00-AM1	Subscriber unit with 18 dBi integrated antenna, 3.65 GHz

## Video Transmission and Wireless Products

## Proxim

## ProximVision ES

PROXIM



ProximVision ES provides rapid network deployment, mobile configuration and greater ease of use in a software-based network management system - giving you a complete view of your wireless network.

ProximVision ES currently supports the following Proxim products:

- ORiNOCO indoor and outdoor mesh access points
- Tsunami MP.11 family of products (5 GHz, 4.9 GHz, 2.4 GHz and 900 MHz)
- Tsunami QB.11 family of products (5 GHz, 4.9 GHz, 2.4 GHz and 900 MHz)
- MeshMAX 5054 family of products

**FEATURES**

- ProximVision ES automates configuration processes for faster, more efficient deployment of Proxim Wireless networks
- Automatic configuration capabilities enable network managers to quickly replicate existing network settings across new network nodes
- User-friendly interface enables you to group, manage and configure all devices available on your wireless network
- Auto discovery of network devices makes identifying APs for configuration a snap
- ProximVision ES gives network managers a mobile option for exhaustive device configuration with a software tool
- Network managers take configuration capabilities with them to address isolated networks
- Exhaustive device configuration capabilities
- ProximVision ES segments the overall network, enabling simpler mobile monitoring and management of the network and devices
- ProximVision ES can support a greater number of APs than competitively priced solutions, and provides the simplest path to configuration and upgrade
- Once networks are configured and deployed, ProximVision ES provides the ability to automatically reconfigure or perform firmware upgrades on an entire group of devices simultaneously
- Real-time monitoring of devices across the entire wireless network, providing diagnostics and alerts to quickly identify errors and troubleshoot them
- Integrated device inventory reports enables quick assessment of the network

Anixter No.	Vendor No.	Description
377039	PVES-20	ProximVision ES, supports 20 nodes
377040	PVES-100	ProximVision ES, supports 100 nodes
377041	PVES-500	ProximVision ES, supports 500 nodes
377042	PVES-1000	ProximVision ES, supports 1,000 nodes

ComPak Fiber Optic and Ethernet Transmission Products

COMNET



The ComNet ComPak Convenience packs are a convenient pairing of a transmitter and receiver plus power supplies in one package with a single model number. ComNet identified the most in-demand products and is offering them in a cost-saving package available through distribution. ComNet products are made in the USA, have a lifetime guarantee and are available to purchase under GSA contact.

Anixter No.	Vendor No.	Description
393988	COMPAK11M	Mini video Transmitter/AGC Mini video receiver
420739	COMPAK1031M1	Video with bi-directional data transmitter and receiver
420741	COMPAK41M1	4-channel video transmitter and receiver
420744	COMPAK412M1	4-channel video with two bi-directional data channels, transmitter and receiver
420747	COMPAK81M1	4-channel video with two bi-directional data channels transmitter and receiver
420750	COMPAK812M1	4-channel video with two bi-directional data channels transmitter and receiver
420751	COMPAK1002MAC1M	10/100 Mbps Ethernet 2-port media converter
420753	COMPAK-EOC	Ethernet over twisted-pair or coaxial cable using VDSL2 (EoVDSL)

ComNet 10- to 24-port Ethernet Switches with Power over Ethernet (PoE)

COMNET



The ComNet CNGE2FE8MSPOE Managed Ethernet Switch provides transmission of (eight) 10/100BASE-TX and (two) 10/100/1000TX or 100/1000FX combo ports. The ComNet CNGE2FE24MSPOE Managed Ethernet Switch provides transmission of (24) 10/100BASE-TX and (2) 10/100/1000TX or 1000FX combo ports. The electrical ports support the 10/100 Mbps Ethernet IEEE 802.3 protocol and the PoE ports support IEEE.802.3af based PoE. The switches include auto-negotiating and auto-MDI/MDIX features that ensure simplicity and ease of installation. The PoE ports support IEEE.802.3af based PoE. These environmentally hardened switches are designed for direct deployment in difficult, unconditioned out-of-plant and roadside installations, and are available for use with either conventional Cat 5e copper or optical transmission media. Two ports on each switch are 10/100/1000 configurable for copper or fiber media for use with multimode or single-mode optical fiber by using sold-separately small-form-factor pluggable modules (SFP). ComNet products are made in the USA, have a lifetime guarantee and are available to purchase under GSA contact.

FEATURES

- Support IEEE.802.3af based POE
- Environmentally hardened for direct deployment in difficult unconditioned out-of-plant and roadside installations
- Meets NEMA TS-1/TS-2 and Caltrans Specifications
- Extended ambient operating temperature range: -40°C to +75°C
- 10/100BASE-TX and 1000BASE-FX compatible
- Flexible optics configuration via SFP plug-in modules
- Fully configurable through Web-based or SNMP network management
- IGMP Snooping V1/V2 for multicast filtering and IGMP Query V1/V2
- Port-based VLAN (IEEE 802.1Q)
- Rapid Spanning Tree protocol (IEEE 802.1W)
- Port-based security
- Lifetime warranty

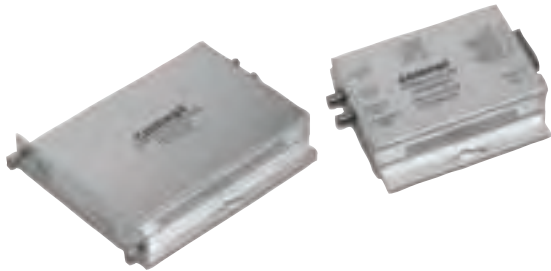
Anixter No.	Vendor No.	Description
420754	CNGE2FE8MSPOE	10-port managed Ethernet switch with PoE
420756	CNGE2FE24MSPOE	26-port managed Ethernet switch with PoE

## Video Transmission and Wireless Products

# ComNet

### ComNet ValueLine RS-232/422 Point-to-Point Data Transceiver

COMNET



The ComNet ValueLine FDX50M2 and FDX51M2 data transceivers are interchangeable by application and provide point-to-point transmission of simplex or duplex EIA RS-232/RS-422 data signals over two multimode optical fibers. The transceivers are transparent to data encoding allowing for broad-range compatibility. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments. Each transceiver incorporates a bi-color (red/green) indicating LED for monitoring proper system operation. The FDX50 has a small footprint and is designed to be used where space is a consideration. The FDX51 can be rack or surface mounted. ComNet products are made in the USA, have a lifetime guarantee and are available to purchase under GSA contact.

#### FEATURES

- Meets RS-232/422 specifications
- Distances up to 6 km (3.7 miles)
- Transparent to data encoding/compatible with major data protocols
- Point-to-point topology
- Meets NEMA TS-1/TS-2 and Caltrans Specifications
- Data rates up to 115 kbps (NRZ)
- Voltage transient protection on all power and signal input/output lines provides unconditional protection from power surges and other voltage transient events.
- Bi-color (red/green) transmit and Receive LEDs
- NTCIP compatible
- Automatic resettable solid-state current limiters
- FDX50 is a compact size module for surface mounting
- FDX51 is interchangeable between standalone or rack mount use ComFit
- Lifetime warranty

Anixter No.	Vendor No.	Description
420762	FDX50M2	ValueLine RS-232/422 point-to-point data transceiver (small size)
420764	FDX51M2	ValueLine RS-232/422 point-to-point data transceiver - standalone or rack mount

### ComNet ValueLine 4- and 8-channel Digitally Encoded Video Multiplexers With and Without Data

COMNET



The ComNet ValueLine video multiplexer units simultaneously transmit and receive four channels (FVT41M1/FVR41M1) or eight channels (FVT81M1/FVR81M1) of video over one optical fiber utilizing digital encoding for quality video transmission. This line consists of models with and without two channels of RS-232,-422 and RS-485 data (FVT412M1/FVR412M1, FVT812M1/FVR812M1). These hardened units are ideal for use in unconditioned installations. These units are completely transparent to and universally compatible with any NTSC, PAL, or SECAM CCTV camera systems. ComNet products are made in the USA, have a lifetime guarantee and are available to purchase under GSA contact.

#### FEATURES

- Digitally encoded video transmission, transmits four or eight real-time color video signals on one optical fiber
- Two channels of RS-232,-422 and RS-485 data additional data channels available
- Compatible with all NTSC, PAL, or SECAM CCTV camera systems
- Interchangeable between rack and standalone mounting
- NTCIP compatible
- Environmentally hardened
- Voltage transient protection on all power and signal input/output lines
- Bi-color (red/green) LED status indicators
- Automatic resettable solid-state current limiters
- Lifetime warranty

Anixter No.	Vendor No.	Description
394007	FVT41M1	4-channel video transmitter
394008	FVR41M1	4-channel video receiver
420765	FVT412M1	4-channel video transmitter with two bi-directional data channels
420766	FVR412M1	4-channel video receiver with two bi-directional data channels
420767	FVT81M1	8-channel video transmitter
420769	FVR81M1	8-channel video receiver
420770	FVT812M1	8-channel video transmitter with two bi-directional data channels
420771	FVR812M1	8-channel video receiver with two bi-directional data channels



ComNet RS-232/RS-422/RS-485 Universal Fiber Optic Data Transceivers

COMNET



The ComNet FDX60 series of data transceivers provide point-to-point transmission of simplex or duplex RS-232/RS-422/RS-485 (2 W/4 W) data signals over one or two optical fibers. The transceivers are transparent to data encoding allowing for broad-range compatibility. Models are available for use with multimode or single mode optical fiber. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments. Each transceiver incorporates a bi-color (red/green) indicating LED for monitoring proper system operation. The FDX60(M)(S)-M has a small footprint and is designed for surface mounting. The FDX60(M)(S) can be rack or surface mounted. The FDX60(M)(S)-(-M) has a built-in fiber link test feature that allows for the testing of the optical fiber. ComNet products are made in the USA, have a lifetime guarantee and are available to purchase under GSA contract.

**FEATURES**

- Fiberlink Fiber tester confirms fiber connectivity
- Meets RS-232C/D and RS-422/RS-485 (2 or 4-wire) specifications
- Environmentally hardened; meets NEMA TS-1/TS-2 and the Caltrans Specifications
- Robust design assures extremely high reliability in unconditioned out-of-plant/roadside environments
- LED status indicators provide rapid indication of all critical operating parameters
- NTCIP compatible
- Voltage transient protection on all power and signal input/output lines
- Interchangeable between stand-alone or rack mount use ComFit
- Lifetime warranty

Anixter No.	Vendor No.	Description
421107	FDX60M1 AB-M	RS-232, RS-422, RS-485 (2 W/4 W)
421109	FDX60M1 AB	RS-232, RS-422, RS-485 (2 W/4 W)
421110	FDX60M1 ABM	RS-232, RS-422, RS-485 (2 W/4 W) Mini
421111	FDX60S1 AB	RS-232, RS-422, RS-485 (2 W/4 W)
420737	FDX60M2-M	RS-232, RS-422, RS-485 (2 W/4 W), Mini
420742	FDX60M2	RS-232, RS-422, RS-485(2 W/4 W)
420746	FDX60S2-M	RS-232, RS-422, RS-485(2 W/4 W), Mini
420749	FDX60S2	RS-232, RS-422, RS-485 (2 W/4 W)

ComNet Two Bi-directional Audio Channels with Bi-directional Contact Closure Multiplexers

COMNET



**FEATURES**

- Two bi-directional audio channels
- One bi-directional contact closure
- 24-bit 96 kHz digitally encoded transmission
- 20 Hz - 18 kHz audio bandwidth
- 600 ohms audio input impedance
- Bi-color (red/green) LED status indicators confirm equipment operating status
- Transmits balanced line-level audio up to +6 dBm
- Interchangeable between standalone or rack-mount use - ComFit
- Distances up to 48 km (30 miles)
- Lifetime warranty

Anixter No.	Vendor No.	Description
420722	FVXA2C1	Two bi-directional audio channels with bi-directional contact closure multiplexer
420726	FVRXA2C1	Two bi-directional audio channels with bi-directional contact closure multiplexer

ComNet CNGE3FE7MS Managed Ethernet Switch

COMNET



The ComNet CNGE3FE7MS Managed Ethernet Switch is a hardened Ethernet switch that transmits 10/100BASE-T, 100BASE-FX and 1000BASE-FX Ethernet data. Unlike most Ethernet switches, these hardened units are designed for use in out-of-plant or roadside operating environments, and are available for use with either conventional Cat 5e copper or optical transmission media. Depending on the configuration ordered, up to 10 electrical or up to three FX ports for optical transmission can be utilized for easily implementing point-to-point, linear add-drop, drop-and-repeat, star, or true self-healing ring and mesh network system architectures. The electrical ports support the 10/100/1000 Mbps (10/100BASE-TX) Ethernet IEEE 802.3 protocol, and auto-negotiating and auto-MDI/MDIX features are provided for simplicity and ease of installation. Available for use with multimode or single-mode optical fiber,

Continued on next page >>

## Video Transmission and Wireless Products

# ComNet

### (continued) ComNet CNGE3FE7MS Managed Ethernet Switch

selected by an optional SFP module, these network managed Layer 2 switches are optically (100BASE-FX) and electrically compatible with any IEEE 802.3 compliant Ethernet devices.

#### FEATURES

- Environmentally hardened for deployment in unconditioned installations
- Extended ambient operating temperature range: -40°C to +74°C
- 10/100BASE-TX and 10/100/1000BASE-FX compatible
- Flexible optics configuration via SFP plug-in modules (Contact us for specifications and pricing)
- DIN-rail or wall-mounted
- Redundant power supply compatibility reduces possibility of single-point-of-failure for highest possible reliability
- Fully configurable through Web-based or SNMP network management
- IGMP Snooping V1/V2/V3 for multicast filtering and IGMP Query V1/V2
- Port-based VLAN (IEEE 802.1Q)
- Rapid Spanning Tree protocol (IEEE 802.1W)
- Port-based security
- Readily available - 48 hour delivery
- Lifetime warranty

Anixter No.	Vendor No.	Description
394029	CNFE3FE7MS	Gbps managed Ethernet switch

### ComNet ValueLine CNFE1MCM(M)(S) Media Converter

COMNET



The ComNet CNFE1MCM Mini Series Ethernet 2-port commercial grade media converter is designed to transmit and receive 10/100 Mbps data over one multimode or single-mode optical fiber. The CNFE1MCM electrical interface will auto-negotiate to a 10 Mbps, or 100 Mbps Ethernet rate without any adjustments. The optical interface operates at a 100 Mbps Ethernet rate. ComNet products are made in the USA, have a lifetime guarantee and are available to purchase under GSA contact.

#### FEATURES

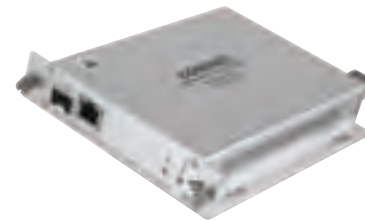
- 10/100 Mbps Ethernet
- 10/100BASE-T/TX electrical port
- 100BASE-FX optical port
- Designed for installation in benign (0 to +60°C) operating environments
- Electrical port supports auto-negotiation for 10 Mbps or 100 Mbps, full-duplex or half-duplex data.
- Optical port supports 100 Mbps full-duplex data
- Automatic MDI/MDI-X crossover
- Distances up to: 3 km (2 miles) multimode 45 km (28 miles) single-mode
- Transparent to data encoding/compatible with major data protocols
- Designed to meet full compliance with the environmental requirements of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment

- ST optical connectors standard
- Voltage transient protection on all power and signal input/output lines
- LED indicators
- IEEE 802.3 compliant
- Lifetime warranty

Anixter No.	Vendor No.	Description
420727	CNFE1MCM A	ValueLine 10/100 Mbps Ethernet media converter
420728	CNFE1MCM B	ValueLine 10/100 Mbps Ethernet media converter

### ComNet ValueLine CNFE1MCMPOE(M)(S) Media Converter with Power over Ethernet

COMNET



The ComNet CNFE1MCMPOE Mini Series Ethernet 2-port commercial grade media converter is designed to transmit and receive 10/100 Mbps data over one multimode or single-mode optical fiber. The CNFE1MCMPOE features Power over Ethernet and supports IEEE 802.3at as power sourcing equipment (PSE) with up to 25 watts @ 48 V DC. The CNFE1MCM electrical interface will Auto-Negotiate to a 10 Mbps, or 100 Mbps Ethernet rate without any adjustments. The optical interface operates at a 100 Mbps Ethernet rate. ComNet products are made in the USA, have a lifetime guarantee and are available to purchase under GSA contact.

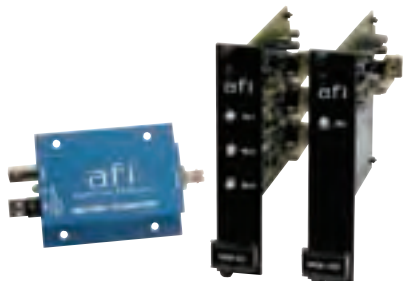
#### FEATURES

- Power over Ethernet (POE) 25 W@ 48 V DC
- 10/100 Mbps Ethernet
- 10/100BASE-T/TX electrical port
- 100BASE-FX optical port
- Designed for installation in benign (0 to +60°C) operating environments
- Electrical port supports Auto-negotiation for 10 Mbps or 100 Mbps, full-duplex or half-duplex data
- Optical port supports 100 Mbps full-duplex data
- Automatic MDI/MDI-X crossover
- Transparent to data encoding/compatible with major data protocols
- Designed to meet full compliance with the environmental requirements of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment
- ST optical connectors standard
- Voltage transient protection on all power and signal input/output lines
- LED indicators
- IEEE 802.3 compliant
- Lifetime warranty

Anixter No.	Vendor No.	Description
420734	CNFE1MCMPOE B	ValueLine 10/100 Mbps Ethernet media converter with PoE, "B" side

## Single-channel Three Ports Per Card Rack-mount FM Video Transmissions Systems

AMERICAN FIBERTEK



The American Fibertek M-30 Series products transmit and receive three channels of high-quality video on three multimode optical fibers using FM transmission. This system is designed to be completely transparent to all camera and monitor manufacturers. Products require no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. The 30 Series are ordered as rack cards and are mounted in the American Fibertek SR-20/2 Card Cage. These units are compatible with the M100 series of single-channel video transmitters and receivers.

### FEATURES

- For distances up to 24 km (14+ miles)
- Full color transmission
- Diagnostic indicators for video, power and optical presence
- Compatible with M100/M300/M300S transmitters and receivers
- "High density" - 42 video ports per rack
- Least expensive video link available
- Single-mode and multimode versions available
- Available as standalone modules or in rack card configurations for use with the American Fibertek SR-20/2 19 in. rack

#### 850 NM

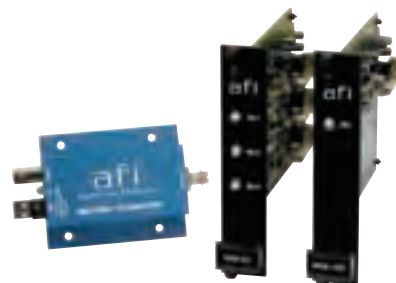
Anixter No.	Vendor No.	Description
258316	RTM-30	850 nm, MM "3-up" rack-mount transmitter 2.0 km
258317	RRM-30	850 nm, MM "3-up" rack-mount receiver 2.0 km

#### 1300 NM

Anixter No.	Vendor No.	Description
258318	RTM-33	1300 nm, MM "3-up" rack-mount transmitter 7.0 km
258320	RRM-33	1300 nm, MM "3-up" rack-mount receiver 7.0 km
258321	RTM-33S	1300 nm, SM "3-up" rack-mount transmitter 24.0 km
258322	RRM-33S	1300 nm, SM "3-up" rack-mount receiver 24.0 km

## Single-channel, Low-cost, FM Video Transmission System

AMERICAN FIBERTEK



The American Fibertek M100/M300/M300S Series products transmit and receive single-channel high-quality video using FM transmission. This system is designed to be completely transparent to all camera and monitor manufacturers. Products require no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. Equipment may be ordered as standalone modules or rack cards that are mounted in the SR-20/2 American Fibertek Card Cage. These units are compatible with the M30/M33/M33S series of three single-channel rack-mount video transmitters and receivers.

### FEATURES

- For distances up to 24 km (14+ miles)
- Full color transmission
- Compatible with NTSC, RS-170A, RS-343A, PAL, CCIR standards
- Smallest profile available anywhere
- Diagnostic indicators for video, power and optical presence
- Single-mode and multimode versions available
- Available as standalone modules or in rack card configurations for use with the American Fibertek SR-20/2 19 in. rack

#### 850 NM

Anixter No.	Vendor No.	Description
258427	MTM-100	850 nm, MM transmitter module 2.0 km
258428	RTM-100	850 nm, MM transmitter rack card 2.0 km
258448	RRM-100	850 nm, MM receiver rack card 2.0 km
258449	MRM-100C	850 nm, MM receiver module 2.0 km

#### 1300 NM

Anixter No.	Vendor No.	Description
258429	RTM-300	1300 nm, MM transmitter rack card 7.0 km
258430	MTM-300	1300 nm, MM transmitter module 7.0 km
258431	MTM-300S	1300 nm, SM transmitter module 24.0 km
258432	RTM-300S	1300 nm, SM transmitter rack card 24.0 km
258433	MRM-300S	1300 nm, SM receiver module 24.0 km
258445	RRM-300S	1300 nm, SM receiver rack card 24.0 km
258446	RRM-300	1300 nm, MM receiver rack card 7.0 km
258447	MRM-300	1300 nm, MM receiver module 7.0 km

## Video Transmission and Wireless Products

# American Fibertek

### Single-fiber Bi-directional Transceivers - Low Profile

AMERICAN FIBERTEK



The American Fibertek 1000 Series products transmit a single channel of high-quality video with an additional channel of bi-directional data on one single multimode optical fiber. Designed to be completely transparent to all camera and monitor manufacturers, this system requires no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. Equipment may be mounted as standalone modules or rack units in the SR-20/2 American Fibertek Card Cage.

#### FEATURES

- For distances up to 3 km (1.8 miles)
- Full color transmission
- Smallest profile available anywhere
- Compatible with Ademco Video, Baxall, Betatech, Molyx, Panasonic, Pelco, Philips, Sensormatic, Synectics, Vicon and other control suppliers
- Compatible with NTSC, RS-170A, RS-343A, PAL, CCIR standards
- Single-mode and multimode versions
- Available as standalone modules or in rack card configurations for use with the American Fibertek SR-20/2 19 in. rack

#### WITH MANCHESTER CODE

Anixter No.	Vendor No.	Description
258407	MTM-1200B	MM video transmitter module with Manchester code 2.5 km
258408	RTM-1200B	MM video transmitter rack card with Manchester code 2.5 km
258425	RRM-1200B	MM video receiver rack card with Manchester code 2.5 km
258426	MRM-1200B	MM video receiver module with Manchester code 2.5 km

#### WITH RS-422

Anixter No.	Vendor No.	Description
258409	MTM-1400	MM video transmitter module with RS-422 code 2.5 km
258410	RTM-1400	MM video transmitter rack card with RS-422 code 2.5 km
258423	RRM-1400	MM video receiver rack card with RS-422 code 2.5 km
258424	MRM-1400	MM video receiver module with RS-422 code 2.5 km

#### WITH RS-485

Anixter No.	Vendor No.	Description
258411	MTM-1485	MM video transmitter module with RS-485 code 2.5 km
258412	RTM-1485	MM video transmitter rack card with RS-485 code 2.5 km
258421	RRM-1485	MM video receiver rack card with RS-485 code 2.5 km
258422	MRM-1485	MM video receiver module with RS-485 code 2.5 km

#### WITH UP-THE-COAX CODE

Anixter No.	Vendor No.	Description
339166	MTM-1605	MM video transmitter module with Up-the-Coax code 2.5 km
339167	RTM-1605	MM video transmitter rack card with Up-the-Coax code 2.5 km
339168	MTM-1605P	MM video transmitter module with Up-the-Coax code 2.5 km
339169	RTM-1605P	MM video transmitter rack card with Up-the-Coax code 2.5 km
339170	RRM-1605P	MM video receiver rack card with Up-the-Coax code 2.5 km
339171	MRM-1605P	MM video receiver module with Up-the-Coax code 2.5 km
339172	RRM-1605	MM video receiver rack card with Up-the-Coax code 2.5 km
339173	MRM-1605	MM video receiver module with Up-the-Coax code 2.5 km

### Single-fiber Video System With Bi-directional Data

AMERICAN FIBERTEK



The American Fibertek 8000 Series products transmit four to eight channels of high-quality video with an additional channel of bi-directional data on one single multimode optical fiber. Designed to be completely transparent to all camera and monitor manufacturers, this system requires no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. Equipment may be mounted as standalone modules or rack units by the position of the mounting brackets.

#### FEATURES

- For distances up to 25 km (15+ miles), consult AFI
- Real-time video transmission
- Full color transmission
- Diagnostic indicators for video, power and optical presence
- Compatible with NTSC, RS-170A, RS-343A, AL, CCIR standards
- Compatible with Baxall, Betatech, Molyx, Panasonic, Pelco, Philips, Sensormatic, Synectics, Vicon and other control suppliers

# American Fibertek

- Single-mode and multimode versions
- Equipment has modular or rack-mount selectable mounting brackets
- Universal power input (85-264 V AC)

### 4-CHANNEL

Anixter No.	Vendor No.	Description
258390	MTX-8423C	4-channel transmitter Manchester code 5.0 km
258391	MRX-8423C	4-channel receiver Manchester code 5.0 km
258392	MTX-8485C	4-channel transmitter RS-422 code 5.0 km
258393	MRX-8485C	4-channel receiver RS-422 code 5.0 km

### 8-CHANNEL

Anixter No.	Vendor No.	Description
258394	MRX-8823C	8-channel receiver Manchester code 5.0 km
258395	MTX-8823C	8-channel transmitter Manchester code 5.0 km
258396	MTX-8885C	8-channel transmitter RS-422 code 5.0 km
258397	MRX-8885C	8-channel receiver RS-422 code 5.0 km

### 2.5 KM SYSTEM

Anixter No.	Vendor No.	Description
258450	MT-404C	MM 4-channel transmitter module 2.5 km
258451	RT-404C	MM 4-channel transmitter rack card 2.5 km
258452	MR-404C	MM 4-channel receiver module 2.5 km
258453	RR-404C	MM 4-channel receiver rack card 2.5 km

### 5.0 KM SYSTEM

Anixter No.	Vendor No.	Description
258454	MT-440C	MM 4-channel transmitter module 5.0 km
258455	RT-440C	MM 4-channel transmitter rack card 5.0 km
258456	MR-440C	MM 4-channel receiver module 5.0 km
258457	RR-440C	MM 4-channel receiver rack card 5.0 km

### 25 KM SYSTEM

Anixter No.	Vendor No.	Description
258458	MT-440C-SL	SM 4-channel transmitter module 25 km
258459	RT-440C-SL	SM 4-channel transmitter rack card 25 km
258460	MR-440C-SL	SM 4-channel receiver module 25 km
258461	RR-440C-SL	SM 4-channel receiver rack card 25 km

## Single-fiber 4-channel Video System

AMERICAN FIBERTEK



The American Fibertek 404C/440C/440C-SL Series products transmit four channels of high-quality video. Designed to be completely transparent to all camera and monitor manufacturers, these systems require no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. Equipment may be ordered as standalone modules or rack cards that are mounted in the American Fibertek SR-20/2 Card Cage.

### FEATURES

- For distances up to 25 km (15+ miles)
- Real-time video transmission
- Full color transmission
- Diagnostic indicators for video, power and optical presence
- Compatible with 500 Series audio/data modulators and demodulators
- Compatible with NTSC, RS-170A, RS-343A, PAL, CCIR standards
- Single-mode and multimode versions
- Available as standalone modules or in rack card configurations for use with the American Fibertek SR-20/2 19 in. rack

## Single-fiber 10 Bit Digital - 4-channel Video System

AMERICAN FIBERTEK



The American Fibertek 946 Series transmits four channels of high-quality, 10 bit digitized video along with one channel of bi-directional data and one channel of bi-directional contact closure on one multimode optical fiber. The 946SL Series transmits four channels of high-quality, 10 bit digitized video along with one channel of bi-directional data and one channel of bi-directional contact closure on one single-mode optical fiber. Available data formats are switch selectable and include: RS-485 (2 or 4 wire), RS-422, RS-232, and Manchester/Bosch protocol data. Designed to be completely transparent to all camera and monitor manufacturers, the system requires no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. Equipment may be ordered as standalone modules or rack cards that are mounted in SR-20D/2 or SR-20R/1 AFI Card Cages.

### FEATURES

- 10 bit digital video transmission
- Available for multimode and single-mode fiber
- Diagnostic indications (LEDs): video, DC power, data activity, digital frame sync and optical presence
- Full color, real-time video transmission
- Serial digital transmission
- Compatible with NTSC; RS-170A, RS-343A, PAL, and SECAM

Continued on next page >>

## Video Transmission and Wireless Products

# American Fibertek

### (continued) Single-fiber 10 Bit Digital - 4-channel Video System

- Data formats: RS-485/RS-422, RS-232. One channel of bi-directional data
- One channel of bi-directional contact closure
- Available as standalone modules or in rack card configurations for use with the American Fibertek SR-20/2 19 in. rack

Anixter No.	Vendor No.	Description
370795	MT-946	Standalone transmitter, multimode, 2 km
370796	RT-946	Rack card transmitter, multimode, 2 km
370799	MR-946	Standalone receiver, multimode
370802	RR-946	Rack card receiver, multimode
370803	MT-946SL	Standalone transmitter, single-mode, 40 km
370805	RT-946SL	Rack card transmitter, single-mode, 40 km
370807	MR-946SL	Standalone receiver, single-mode
370808	RR-946SL	Rack card receiver, single-mode

### Single-fiber 8-channel Video System

AMERICAN FIBERTEK



The American Fibertek 880C/880C-SL Series products transmit eight channels of high-quality video on one multimode or single-mode optical fiber. Designed to be completely transparent to all camera and monitor manufacturers. These systems require no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. Equipment may be mounted as standalone modules or rack units by position of the rack brackets.

#### FEATURES

- For distances up to 25 km (15+ miles)
- Equipment has modular or rack-mount selectable mounting brackets
- Real-time video transmission
- Full color transmission
- Diagnostic indicators for video, power and optical presence
- Compatible with NTSC, RS-170A, RS-343A, PAL, CCIR standards
- Compatible with 500 Series audio/data modulators and demodulators
- Single-mode and multimode versions
- Universal power input (85-264 V AC)

Anixter No.	Vendor No.	Description
258402	MRT-880C	1300 nm, MM single-fiber 8-channel transmitter module/rack 4.0 km
258403	MRR-880C	1300 nm, MM single-fiber 8-channel receiver module/rack 4.0 km
258405	MRT-880C-SL	1300 nm, SM single-fiber 8-channel transmitter module/rack 25 km
258406	MRR-880C-SL	1300 nm, SM single-fiber 8-channel receiver module/rack 25 km

### Fiber Equipment Subrack System - Diagnostic Capable

AMERICAN FIBERTEK



The American Fibertek SR-20D/2 Series Fiber Equipment Subrack is a system that can be configured with any combination of AFI products including transmitters, receivers or transceivers.

#### FEATURES

- Built in AFI diagnostic capability
- Rear power bus to all plug-in cards
- 19 in. EIA rack frame compatible
- 100 watt DC power supply included
- Up to 14 rack card spaces
- Blank space slot cards for one, two or four space slots available
- Universal power input: 100 to 240 V AC at 47 to 63 Hz, 100 watts maximum

Anixter No.	Vendor No.	Description
370809	SR-20D/2	Fiber optic subrack system