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AV BEYOND THE BOX

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Presentation Systems

VS-84UT All-in-One Presentation System with 8x4 4K60 4:2:0 HDMI/HDBaseT 2.0 Matrix Switching, Master Room Controller, PoE & Power Amplifier

4K 60

VS-84UT is an all-in-one 4K@60Hz (4:2:0) audio-video presentation system with integrated range extension and an integrated control system master. The unit switches the video, embeds the audio, and outputs the signal to both HDMI™ and HDBaseT 2.0 with USB extension and PoE on the HDBaseT output ports. Outstanding audio support includes balanced stereo audio, unbalanced stereo audio, and de-embedded audio sources that output to embedded audio, balanced stereo audio as well as a power amplified audio output.

VS-84UT includes a master room controller that can operate over Ethernet (LAN) with control ports that include: one bidirectional RS-485, four RS-232, four IR, four GPI/O, and eight relays to control a wide variety of AV devices. It includes a KNET™ connector interface that enables access to the master controller from auxiliary room controllers such as control keypads. The unit can also provide power to auxiliary room controllers via the KNET™ connectors. VS-84UT includes an Ethernet gateway to control and manage remote I/O ports.

FEATURES

- Versatile All-in-One Solution - Provides a high-performance AV presentation matrix, powerful HDBaseT signal extender and fully featured, programmable master room controller in one unit.
- High-Performance, Professional AV Matrix - Switches 6 4K@60Hz (4:2:0) HDMI inputs and 2 HDBaseT 2.0 signals to 2 4K@60Hz (4:2:0) HDMI outputs and 2 HDBaseT 2.0 signals at up to 10.2Gbps (3.4Gbps per graphics channel) data rate. Signals are HDCP and DVI compliant with Deep Color, 3D, and 7.1 PCM. Includes active source & acceptor detection, auto-switching and auto-scanning of inputs, and a non-volatile memory that retains the last configuration, after switching the power off and then on again.
- Flexible Audio Extraction, Embedding and Control Options - Includes 4 balanced stereo or 8 microphone audio inputs (selectable), 4 unbalanced stereo inputs, 2 line-out balanced stereo audio outputs and one audio amplified output. Features audio volume control, audio breakaway and AFV (audio-follow-video) operation support. Global mute for both video and audio outputs enables smooth integration of the audio system with a public announcement audio system in case of an emergency event.
- Powerful HDBaseT Extender - Extends signals up to 100m at 4K @60Hz (4:2:0), up to 130m (430ft) at full HD (1080p @60Hz 36bpp), and up to 180m (590ft) at ultra mode and full HD (1080p @60Hz 24bpp). Featuring Kramer reKlocking™ and Equalization Technology that rebuilds the digital signal to travel longer distances. Note: For optimum range and performance, use recommended Kramer cables.
- Programmable Master Room Controller - Connect multiple peripheral devices and control them using intuitive embedded web pages. Schedule actions and macros to automate device control.
- Multi-Client IP - Simultaneous IP control communication with up to 15 IP control clients.
- Diverse and Abundant Control Port Formats - Includes USB 1.1 & USB 2.0 (up to 127Mbps) via 2 USB type-A and 2 USB type-B ports, 6 IR Ports, 1 Ethernet port, 1 1G Ethernet port for HDBaseT tunneling, 1 K-NET™ connector; 1 RS-485 and 2 RS-232 bidirectional control ports, 4 IR emitter control ports, 4 GPI/O control ports, and 8 relay control ports.
- IP Port Extension and Control - Ethernet port connects to control gateways for I/O port extending, and operating IP controlled devices
- Provides Power and Control in a Single Connection - HDBaseT outputs provide PoE (Power over Ethernet) to compatible devices. K-NET™ connector carries power along with control communication to either a master room controller or auxiliary control keypad.
- Control Volume, Sensors, Locks, and Lighting - Using 4 general-purpose (GPI/O) control ports configured as digital input, digital output or analog input interface.
- Control Screens, Drapes, Shades, Blinds and IR sensors - Using 8 contact closure ports.
- Compatibility with Kramer Software Solutions - Kramer Network Compatible - Remote control and management over customer IP network. Kramer K-Config™ Compatible - Windows based control program with easy configuration and upload to a room controller over customer IP network.
- Advanced EDID Management per Input.
- Convenient Unit Control and Maintenance Options - User-friendly embedded web pages via the Ethernet, Protocol 3000 API, and RS-232 serial commands transmitted by a PC, touch screen system or other serial controller. Firmware Upgrade over Ethernet via a user-friendly software upgrade tool.
- Easy Installation - 19” enclosure for rack mounting a unit in a 2U rack space with included rack ears and universal 100-240V AC power connection.

VP-551X 10–Input 18G 4K Presentation Switcher/Scaler

VP-551X is a high-performance presentation scaler/switcher for 4K@60 (4:4:4) HDMI, VGA and composite video signals. The unit scales the video and gives you the option to embed HDMI or a companion analog audio channel into each of the ten input signals. Then it sends the signal simultaneously to one HDMI and one HDBaseT mirrored output, as well as to a balanced stereo audio output, S/PDIF digital output and a pair of loudspeakers.

FEATURES

- High-Performance Switcher/Scaler - Scales HDMI, VGA and Composite video signals for output to two mirrored outputs: HDMI and HDBaseT. Constant output sync prevents signal disruption when switching between inputs and when no video is detected.
- High-Resolution Video - Supports and scales to/from resolutions up to 4K@60Hz (4:4:4) on the HDMI inputs and output, and 4K@60Hz (4:2:0) on the HDBaseT output. Complies with HDMI 2.0, HDCP 2.2 and HDR10 standards.
- Professional Video Quality - Provides selectable aspect ratios (full, best fit, over scan, under scan, letter box and pan scan). Includes built-in ProcAmp for color, hue, sharpness, noise, contrast and brightness control. Supports PixPerfect™ Scaling Technology, Kramer's precision pixel mapping and high-quality scaling technology. High-quality 3:2 and 2:2 pull-down de-interlacing and full up-scaling and down-scaling of all video input signals.
- Versatile Audio Options - Includes a companion analog audio input for each of the 10 video inputs, enabling the user to embed a separate analog audio channel into each video signal or to bypass an embedded audio input (for example, to support multi-channel, compressed audio formats like Dolby and DTS). Provides 2 independent microphone inputs on 6.3mm connectors (each with optional 48V phantom power) for mixing, switching or talk-over. On the output, besides the audio embedded on HDMI and HDBaseT outputs, the audio signal is also extracted (de-embedded) and output as balanced stereo analog audio, and as digital audio through an S/PDIF connected device, as well as amplified to 20W per channel for connection to loudspeakers.
- Powerful Audio Features - Including DSP with audio equalization, mixing, delay and more.
- Versatile Powering Options - Powered by universal power supply (100-240V AC) and provides PoE power to a compatible HDBaseT device.
- HDTV Compatible.
- 4K and Legacy Inputs - 8 4K@60 (4:4:4) HDMI inputs, 1 VGA input, and 1 CV (composite video) input.
- Non-Volatile Memory - Saves final settings before shutdown and retains them for next power up.
- Convenient Control Options - Local control via front panel buttons (input selection, audio mute, freeze and front panel lock), RS-232, IR remote, and OSD. Long-distance control via embedded web pages and Ethernet.
- Easy Installation - 19" enclosure for rack mounting a unit in a 1U rack space with included rack ears and universal 100-240V AC power connection.

Switchers & Matrices

VS-21TS 2x1 Selector for Ethernet and HDBaseT Signals with PoE

4K60 4:2:0 HDCP 2.2

VS-21TS is a high-performance selector for Ethernet and HDBaseT signals of any resolution up to 4K@60 (4:2:0) and all HDCP versions. Use contact closure switches or front panel buttons to select one of the two inputs to route to the output or to route the output to one of the inputs. VS-21TS also passes PoE (Power over Ethernet) power from a PoE provider to a PoE acceptor.

Note: VS-21TS is a signal pass-through and does not extend the HDBaseT signals. Signal range depends on the range of the source device.

FEATURES

- High-Performance Selector - Passes HDBaseT HDCP 2.2 signals at up to 4K@60Hz (4:2:0) resolution and 8.91Gbps data rate.
- HDCP Compatibility - HDCP 2.2 and below.
- HDTV Compatible.
- 3D Pass-though.
- Supports Your PoE Installation - Passes PoE (Power over Ethernet) power from a PoE provider to a PoE acceptor.
- Easy Installation - Compact DigiTOOLS® fan-less enclosure for dropped-ceiling mounting, or side-by-side mounting of 3 units in a 1U rack space with the recommended rack adapter.

HDR

VS-42H2 4x2 4K HDR HDMI 2.0 HDCP 2.2 Matrix Switcher

4K60 4:4:4 HDCP 2.2

VS-42H2 is a high-performance 4x2 matrix switcher for 4K HDR HDMI signals. It reclocks and equalizes the signals and can route any one of four HDMI, HDCP-compliant sources (selectable) to any or all outputs simultaneously.

FEATURES

- High-Performance AV Matrix - Switches 4 4K@60Hz (4:4:4) HDR HDMI HDCP-compliant signals to 2 18G 4K@60Hz (4:4:4) HDR HDMI HDCP-compliant outputs at up to 18G data rate. Signals are HDMI 2.0/1.4 and HDCP 2.2/1.4 compliant.
- Kramer Equalization & reKlocking™ Technology - Rebuilds the digital signal to travel longer distances.
- EDID Management - Individual EDID management per input. Captures and stores the EDID from a display device.
- Flexible Content Protection - Selectable HDCP per input.
- Quick Access to Common Configurations - Save up to six preset configurations.
- Convenient Unit Control and Configuration - Local control via front panel switching, mute, lock and EDID buttons, and IR remote control. Distance control via user-friendly embedded web pages via the Ethernet, Protocol 3000 API, and RS-232 serial commands transmitted by a PC, touch screen system or other serial controller.
- Cost-Effective Maintenance - Power status, IR and Input Selection indicators facilitate easy local maintenance and troubleshooting. Local firmware upgrade via USB or RS-232 connection ensures lasting, field-proven deployment.
- Easy Installation - ½ 19” size enables mounting in a 1U rack space with the recommended rack adapter.

VS-44H2A 4x4 4K HDR HDMI 2.0 HDCP 2.2 Matrix Switcher with Audio De-embedding

VS-44H2A is a high-performance 4x4 matrix switcher for 18G 4K@60Hz (4:4:4) HDR HDMI signals. It reclocks and equalizes the signals and can route any one of four HDMI, HDCP-compliant sources (selectable) to any or all outputs simultaneously.

FEATURES

- High-Performance AV Matrix - Switches 4 4K@60Hz (4:4:4) HDR HDMI HDCP-compliant signals to 4 18G 4K@60Hz (4:4:4) HDR HDMI HDCP-compliant outputs at up to 18G data rate. Signals are HDMI 2.0/1.4 and HDCP 2.2/1.4 compliant
- Analog and Digital Audio De-embedding (Extraction) - De-embeds the audio signal and outputs it as balanced analog audio with separate volume control on each of the outputs and S/PDIF digital audio.
- Easy Step-In Collaboration Function - When used with a Kramer Step-In enabled switcher, just plug in your device and press the Step-In button. Your device becomes the active signal on the main display.
- Features Kramer Equalization & reKlocking™ Technology - Rebuilds the digital signal to travel longer distances.
- EDID Management - Individual EDID management per input. Captures and stores the EDID from a display device.
- Flexible Content Protection - Selectable HDCP per input.
- Quick Access to Common Configurations - Save up to six preset configurations.
- Convenient Unit Control and Configuration Options - Local control via front panel switching, memory, lock and EDID buttons, Input/Output LED display and IR remote control. Distance control via user-friendly embedded web pages via the Ethernet, Protocol 3000 API, and RS-232 serial commands transmitted by a PC, touch screen system or other serial controller.
- Cost-Effective Maintenance - IR and Input Selection indicators facilitate easy local maintenance and troubleshooting. Firmware upgrade via Ethernet or USB using a user-friendly software upgrade tool.

VS-88H2 8x8 4K HDR HDCP 2.2 Matrix Switcher with Audio De-embedding

VS-88H2 is a high-performance 8x8 matrix switcher for 4K@60Hz (4:4:4) HDR signals and de-embedded audio. It reclocks and equalizes the signals and can route any one of 8 HDMI, HDCP-compliant sources (selectable) to any or all outputs simultaneously. VS-88H2 offers unmatched audio flexibility where any embedded digital audio input can be routed to any digital output in addition to eight ARC sources to produce an equivalent 16x2 audio matrix.

FEATURES

- High-Performance AV Matrix - Switches 8 4K@60Hz (4:4:4), HDR, HDMI, HDCP, DVI-compliant signals to 8 4K@60Hz (4:4:4), HDR, HDMI, HDCP, DVI-compliant outputs at up to 18G data rate. Signals are HDMI 2.0/1.4 and HDCP 2.2/1.4 compliant. Featuring Kramer reKlocking™ and Equalization Technology that rebuilds the digital signal to travel longer distances. Note: For optimum range and performance, use recommended Kramer cables.
- HDMI Support - Deep Color, 3D, ARC, up to 7.1 uncompressed audio channels.
- Unmatched Audio Flexibility - Any embedded digital audio input can be routed to any digital output, in addition to ARC sources, to produce an equivalent 16x12 audio matrix (8 embedded digital inputs + 8 ARC inputs and 8 digital outputs + 4 ARC outputs).
- Local Step-In Switching - Becomes a Step-In Master when used with a Kramer Step-In Commander device. Just connect a Step-In Commander into the unit and press the Step-In button on the Commander. The unit switches the output and the Commander becomes the active signal on the main display.
- EDID Management - Individual EDID management per input. Captures and stores the EDID from a display device.
- Flexible Content Protection - Selectable HDCP per input.
- Quick Access to Common Configurations - Save up to 16 preset configurations.
- Smart Switching - Active source & acceptor detection. Automatic input selection based on priority selection or last connected input.
- Embedded Pattern Generator - With selectable patterns.

HDR

4K60 4:4:4 HDCP 2.2

VS-88H2A 8x8 4K HDR HDCP 2.2 Matrix Switcher with Audio Embedding/ De–embedding

VS-88H2A is a high-quality 8x8 matrix switcher for 4K@60Hz (4:4:4) HDR HDMI signals and embedded/de-embedded analog audio. It reclocks and equalizes the signals and can route any one of eight HDMI, HDCP-compliant sources (selectable) to any or all outputs simultaneously. VS-88H2A offers unmatched audio flexibility where any embedded digital or analog audio input can be routed to any embedded digital or analog audio output in addition to eight ARC sources to produce an equivalent 24x20 audio matrix.

FEATURES

- High-Performance AV Matrix - Switches 8 4K@60Hz (4:4:4), HDR, HDMI, HDCP, DVI-compliant signals to 8 4K@60Hz (4:4:4), HDR, HDMI, HDCP, DVI-compliant outputs at up to 18G data rate. Signals are HDMI 2.0/1.4 and HDCP 2.2/1.4 compliant. Featuring Kramer reKlocking™ and Equalization Technology that rebuilds the digital signal to travel longer distances. Note: For optimum range and performance, use recommended Kramer cables.
- HDMI Support - Deep Color, 3D, ARC, up to 7.1 uncompressed audio channels.
- Unmatched Audio Flexibility - Any embedded digital or analog audio input can be routed to any embedded digital or analog audio output in addition to eight ARC sources to produce an equivalent 24x20 audio matrix (8 embedded digital inputs + 8 analog inputs + 8 ARC inputs and 8 digital outputs + 8 analog inputs + 4 ARC outputs).
- Local Step-In Switching - Becomes a Step-In Master when used with a Kramer Step-In Commander device. Just connect a Step-In Commander into the unit and press the Step-In button on the Commander. The unit switches the output and the Commander becomes the active signal on the main display.
- EDID Management - Individual EDID management per input. Captures and stores the EDID from a display device.
- Flexible Content Protection - Selectable HDCP per input.
- Quick Access to Common Configurations - Save up to 16 preset configurations.
- Smart Switching - Active source & acceptor detection. Automatic input selection based on priority selection or last connected input.
- Embedded Pattern Generator - With selectable patterns.
- Convenient Unit Control and Configuration Options - Local control via front panel switching, memory, lock and EDID buttons, Input/Output LED display and IR remote control. Distance control via user-friendly embedded web pages via the Ethernet, Protocol 3000 API, and RS-232 serial commands transmitted by a PC, touch screen system or other serial controller.
- Cost-Effective Maintenance - IR and Input Selection indicators facilitate easy local maintenance and troubleshooting. Firmware upgrade via Ethernet or mini USB.
- Easy Installation - 19” enclosure for rack mounting in a 1U rack space with included rack ears and universal 100-240V AC power supply.
- Standard 19" (1U). Rack "ears" included.

VS-34FD 8K Ready 34–Port Multi Format Digital Matrix Switcher with Interchangeable I/Os

VS-34FD is a high-performance 34-port 8K ready multi-format modular matrix switcher for AV signals, including HDMI™, HDBaseT, DGKat, fiber optic, DVI, VGA, SDI, as well as analog and digital audio. The modular chassis features 17 slots for installing a full range of input/output modules and can be populated as 2x32, 32x2 or any other configuration in between in increments of two inputs or two outputs. The chassis includes a control module, a test module that can monitor and test any input and output in the matrix, and an additional redundant power supply for optional installation.

FEATURES

- High-Performance Modular Matrix Switcher - Professional, 8K-ready matrix for switching multi-format AV signals. Features Kramer Equalization & reKlocking™ Technology that rebuilds the digital signal to travel longer distances. For optimum range and performance, use recommended Kramer cables.
- Modular & Easily Configurable Platform - Input and output module types can be mixed and added in increments of 2, creating a matrix of 2 x 32, 32 x 2 or any configuration in between. Select from a full array of popular and legacy formats to populate the chassis. This matrix is compatible with existing modular matrix modules.
- Flexible Infrastructure Conversion - Kramer Core™ technology enables copper, fiber or twisted pair to be used at the same time, according to input/output module selection. The matrix receives signals from compatible Kramer transmitters, automatically converts between available infrastructure options and sends the signals to compatible Kramer receivers.
- Quick and Efficient Management - Compatible with Kramer Network enterprise management platform providing: Automatic discovery through the network, FW upgrade management for matrix and cards, identification of card type and location and indication of card status(module ID, actual firmware versions), matrix switching, specified card features configuration (for example, volume levels on audio cards), store and recall of predefined switching scenarios, integrated Maestro automation, and more.
- Content Protection Support - HDCP 2.2 compliant, with compatible DVI, HDMI, HDBaseT, and DGKat modules. Supports disabling HDCP when needed.
- Fast Switching Support on Outputs (optional) - Reduces or removes switching delay.
- EDID Management - Individual EDID management per input. Captures and stores the EDID from a display device.
- Test Pattern Module (optional) - With 4 output resolutions for troubleshooting video problems and additional monitor port with audio embedding and de-embedding.
- Second Power Supply - Redundant, hot-swappable for optional installation.
- Flexible Control Options - Local control from the front panel, including: switching, executing multiple switches simultaneously, storage and recall of multiple switching configurations, front panel lockout. Distance control using IR remote (included), user-friendly K-Router™ Windows®-based software (included) via RS-232 , Protocol 3000 API via Ethernet or RS-232.
- Modular Cooling System - 2 easily replaceable, low-noise, hot-swappable fan racks.
- Cost-Effective Maintenance - Power and IR LEDs and LCD display facilitate easy local maintenance and troubleshooting. FW upgrade via mini USB port, in/out audio jacks for unit testing, and reset button for convenient unit reset (for future use) ensure lasting, field-proven deployment.
- Easy Installation - 19” enclosure for rack mounting in a 3U rack space with included rack ears and universal 100-240V AC power supply.

H2A-IN2-F34 2-Channel 4K HDR HDMI Input Card with Selectable Embedded, De-embedded or ARC Analog Audio

H2A-IN2-F34 is a two-channel 4K@60Hz (4:4:4) HDMI input card with configurable analog audio features for compatible Kramer Modular Multi-Format Digital Matrix Switchers. H2A-IN2-F34 inputs two 4K HDMI signals with selectable ARC (on the upper port), embedded, or de-embedded unbalanced stereo audio.

FEATURES

- Max. Data Rate - 18Gbps (6Gbps per graphics channel).
- Max. Resolution - 4K@60Hz (4:4:4).
- HDMI Support - 3D, Deep Color, x.v.Color™, ARC, Dolby® TrueHD, Dolby Digital Plus, DTS-HD®, and 7.1 multi-channel audio.
- Analog Audio Embedding/De-embedding - On the same jack and ARC.
- HDCP 2.2/1.4 Compliant.
- 3D Pass-Through.
- EDID Capture - Copies and stores the EDID from a display device.
- Kramer Equalization and re-Klocking Technology.

H2A-OUT2-F34 2-Channel 4K HDR HDMI Output Card with Selectable Embedded, De-embedded or ARC Analog Audio

H2A-OUT2-F34 is a two-channel 4K@60Hz (4:4:4) HDMI output card with configurable analog audio features for compatible Kramer Modular Multi-Format Digital Matrix Switchers. H2A-OUT2-F34 outputs two 4K HDMI signals with selectable ARC (on the upper port), embedded, or de-embedded unbalanced stereo audio.

FEATURES

- Max. Data Rate - 18Gbps (6Gbps per graphics channel).
- Max. Resolution - 4K@60Hz (4:4:4).
- HDMI Support - 3D, Deep Color, x.v.Color™, ARC, Dolby® TrueHD, Dolby Digital Plus, DTS-HD®, and 7.1 multi-channel audio.
- Analog Audio Embedding/De-embedding - On the same jack and ARC.
- HDCP 2.2/1.4 Compliant.
- 3D Pass-Through.
- EDID Capture - Copies and stores the EDID from a display device.
- Kramer Equalization and re-Klocking Technology.

DTAxr-IN2-F34 2-Channel 4K HDR HDMI over Extended Reach HDBaseT Input Card with Selectable Embedded or De-embedded Analog Audio

DTAxr-IN2-F34 is a 2-channel, 4K@60Hz (4:4:4), HDMI, analog audio, bidirectional RS-232, Ethernet, & IR over HDBaseT twisted pair receiver card for compatible Kramer Modular Multi-Format Digital Matrix Switchers. DTAxr-IN2-F34 inputs two extended-reach HDBaseT signals with selectable embedded/de-embedded analog audio, bidirectional RS-232, Ethernet, and IR from the line to the chassis.

FEATURES

- Max. Data Rate - 18Gbps (6Gbps per graphics channel).
- Max. Resolution - 4K@60Hz (4:4:4).
- Analog Audio Embedding/De-embedding - On the same jack
- HDBaseT Technology - HDTV compatible, HDCP compliant.
- System Range - Up to 100m at normal mode (4K), up to 130m (430ft) at normal mode (2K), up to 180m (590ft) ultra mode (1080p @60Hz @24bpp). Note: When using Kramer HDBaseT cables.
- Ethernet Extension - Ethernet interface data flows in both directions, allowing extension of up to 100Mbps Ethernet connectivity for LAN communication and device control.
- Bidirectional RS-232 Extension - Serial interface data flows in both directions, allowing data transmission and device control.
- Bidirectional Infrared Extension - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line.
- 3D Pass-Through.

DTAxr-OUT2-F34 2-Channel 4K HDR HDMI over Extended Reach HDBaseT Output Card with Selectable Embedded or De-embedded Analog Audio

DTAxr-OUT2-F34 is a two-channel, 4K@60Hz (4:4:4), HDMI, analog audio, bidirectional RS-232, Ethernet, & IR over HDBaseT twisted pair transmitter card for compatible Kramer Modular Multi-Format Digital Matrix Switchers. DTAxr-OUT2-F34 outputs two extended-reach HDBaseT signals with selectable embedded/de-embedded analog audio, bidirectional RS-232, IR, and Ethernet from the chassis to the line.

FEATURES

- Max. Data Rate - 18Gbps (6Gbps per graphics channel).
- Max. Resolution - 4K@60Hz (4:4:4).
- Analog Audio Embedding/De-embedding - On the same jack
- HDBaseT Technology - HDTV compatible, HDCP compliant.
- System Range - Up to 100m at normal mode (4K), up to 130m (430ft) at normal mode (2K), up to 180m (590ft) ultra mode (1080p @60Hz @24bpp). Note: When using Kramer HDBaseT cables.
- Ethernet Extension - Ethernet interface data flows in both directions, allowing extension of up to 100Mbps Ethernet connectivity for LAN communication and device control.
- Bidirectional RS-232 Extension: - Serial interface data flows in both directions, allowing data transmission and device control.
- Bidirectional Infrared Extension: - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line.
- 3D Pass-Through.

Extenders

IN
OUT
LINK
ON
HDMI Line Transmitter
TP-583T
IN
OUT
LINK
ON
HDMI Line Receiver
TP-583R

WP-871xr 4K HDR HDMI 1-Gang PoC Wall–Plate Transmitter over Long–Reach DGKat 2.0

US

EU / UK

WP-871xr is a high-performance, long-reach DGKat™ 2.0 wall-plate transmitter for 4K@60Hz (4:4:4) HDR HDMI 2.0 and HDCP 2.2 signals and power over twisted pair. It converts the HDMI input signal into a DGKat™ 2.0 signal and transmits it to a compatible receiver. WP-871xr extends the signal to up to 60m (200ft) at 4K@60Hz (4:4:4) resolution and up to 70m (230ft) at 4K@30Hz (4:4:4) 24bpp resolution over Kramer shielded cables. This wall-plate is powered through PoC (Power over Copper) over the twisted pair cable.

FEATURES

- High Performance Transmitter - Professional DGKat™ 2.0 transmitter for providing long-reach signals over twisted pair copper infrastructures. WP-871xr transmitter employs high-level video compression technology that delivers visually lossless performance for 4K@60Hz (4:4:4) HDR signals with near-zero latency. It converts the HDMI input signal into a DGKat™ 2.0 signal and transmits it to a compatible receiver.
- HDMI Signal Extension - HDR, HDMI 2.0 and HDCP 2.2 compliant. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D.
- EDID Pass-through - Pass-through algorithm ensures Plug and Play operation for HDMI source and display systems.
- Multi-channel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.
- Cost-Effective Maintenance - Power and connectivity status LED indicator facilitates easy local maintenance and troubleshooting.
- Easy Installation - Compactly fits into standard US, EU and UK 1-gang in-wall box size, supporting decorative integration with room deployed user interfaces such as electrical switches. Wall-plate installation is fast and cost-effective via a single twisted pair cable, providing both video signal and power (PoC) connections.

WP-872xr 4K HDR HDMI 1–Gang PoC Wall–Plate Receiver over Long–Reach DGKat 2.0

US

EU / UK

WP-872xr is a high-performance, long-reach DGKat™ 2.0 wall-plate receiver for 4K@60Hz (4:4:4) HDR HDMI and HDCP 2.2 signals and power over twisted pair. It converts the transmitted DGKat™ 2.0 signal into an HDMI signal. WP-872xr extends the signal to up to 60m (200ft) at 4K@60Hz (4:4:4) resolution and up to 70m (230ft) at 4K@30Hz (4:4:4) 24bpp resolution over Kramer shielded cables. This wall-plate can either provide or accept power through PoC (Power over Copper) over the twisted pair cable.

FEATURES

- Low-profile Wall-plate Receiver - Designed for elegant in-wall deployment behind wall-mounted flat panel display with limited wall-depth availability, requiring minimal space when connected with Kramer right-angle HDMI cable.
- High Performance Receiver - Professional DGKat™ 2.0 receiver for providing long-reach signals over twisted pair copper infrastructures. WP-872xr receiver employs high-level video compression technology that delivers visually lossless performance for 4K@60Hz (4:4:4) HDR signals with near-zero latency. It converts the transmitted DGKat™ 2.0 signal into an HDMI signal.
- HDMI Signal Extension - Supports HDR, HDCP 2.2, deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0.
- EDID Pass-through - Pass-through algorithm ensures Plug and Play operation for HDMI source and display systems.
- Multi-channel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.
- Cost-Effective Maintenance - Power and connectivity status LED indicator facilitates easy local maintenance and troubleshooting.
- Easy Installation - Compactly fits into standard US, EU and UK 1-gang in-wall box size, supporting decorative integration with room deployed user interfaces such as electrical switches. Wall-plate installation is fast and cost-effective via a single twisted pair cable, providing both video signal and power (PoC) connections.

PT-871xr 4K HDR HDMI Compact PoC Transmitter over Long–Reach DGKat 2.0

PT-871xr is a high-performance, long-reach DGKat™ 2.0 transmitter for 4K@60Hz (4:4:4) HDR HDMI 2.0 and HDCP 2.2 signals and 2-way powering over twisted pair. It converts the HDMI signal into the transmitted DGKat™ 2.0 signal. PT-871xr extends the signal to up to 60m (200ft) at 4K@60Hz (4:4:4) resolution and up to 70m (230ft) at 4K@30Hz (4:4:4) 24bpp resolution over Kramer shielded cables.

FEATURES

- High Performance Extender - Professional DGKat™ 2.0 transmitter for providing long-reach signals and 2-way power over twisted pair copper infrastructures. PT-871xr employs low-level video compression technology that delivers visually lossless performance for 4K@60Hz (4:4:4) HDR signals with near-zero latency. It converts the transmitted DGKat™ 2.0 signal into an HDMI signal.
- HDMI Signal Extension - Supports HDR, HDCP 2.2, deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0.
- EDID Pass-through - Pass-through algorithm ensures Plug and Play operation for HDMI source and display systems.
- Multi-channel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.
- Cost-effective Maintenance - Status LED indicators for HDMI and DGKat™ 2.0 ports facilitate easy local maintenance and troubleshooting.
- Easy Installation - Single twisted-pair cable for signal and power wiring. Compact PicoTOOLS® fan-less enclosure for device-back mounting, or side-by-side mounting of 4 units in a 1U rack space with the optional, compatible Kramer rack adapter.

PT-872xr 4K HDR HDMI Compact PoC Receiver over Long–Reach DGKat 2.0

PT-872xr is a high-performance, long-reach DGKat™ 2.0 receiver for 4K@60Hz (4:4:4) HDR HDMI 2.0 and HDCP 2.2 signals and 2-way powering over twisted pair. It converts the transmitted DGKat™ 2.0 signal into an HDMI signal. PT-872xr extends the signal to up to 60m (200ft) at 4K@60Hz (4:4:4) resolution and up to 70m (230ft) at 4K@30Hz (4:4:4) 24bpp resolution over Kramer shielded cables.

FEATURES

- High Performance Extender - Professional DGKat™ 2.0 receiver for providing long-reach signals and 2-way power over twisted pair copper infrastructures. PT-872xr employs low-level video compression technology that delivers visually lossless performance for 4K@60Hz (4:4:4) HDR signals with near-zero latency. It converts the transmitted DGKat™ 2.0 signal into an HDMI signal.
- HDMI Signal Extension - Supports HDR, HDCP 2.2, deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0.
- EDID Pass-through - Pass-through algorithm ensures Plug and Play operation for HDMI source and display systems.
- Multi-channel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.
- Cost-effective Maintenance - Status LED indicators for HDMI and DGKat™ 2.0 ports facilitate easy local maintenance and troubleshooting.
- Easy Installation - Single twisted-pair cable for signal and power wiring. Compact PicoTOOLS® fan-less enclosure for device-back mounting, or side-by-side mounting of 4 units in a 1U rack space with the optional, compatible Kramer rack adapter.

HDR

4K60 4:4:4 HDCP 2.2

TP-873xr 4K HDR HDMI PoC Transmitter with RS–232 & IR over Long–Reach DGKat 2.0

TP-873xr is a high-performance, long-reach DGKat™ 2.0 transmitter for 4K@60Hz (4:4:4) HDR HDMI 2.0 HDCP 2.2 signals, RS-232 and IR signals and 2-way powering over twisted pair. It converts the HDMI input signal into a DGKat™ 2.0 signal and transmits it to the receiver. TP-873xr extends video signals to up to 50m (160ft) at 4K@60Hz (4:4:4) resolution and up to 70m (230ft) at 4K@30Hz (4:4:4) 24bpp resolution over Kramer shielded cables.

FEATURES

- High Performance Extender - Professional DGKat™ 2.0 receiver for providing long-reach signals and 2-way power over twisted pair copper infrastructures. PT-873xr employs low-level video compression technology that delivers visually lossless performance for 4K@60Hz (4:4:4) HDR signals with near-zero latency. It converts the transmitted DGKat™ 2.0 signal into an HDMI signal.
- HDMI Signal Extension - HDR, HDMI 2.0 and HDCP 2.2 compliant. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D.
- EDID Pass-through - Pass-through algorithm ensures Plug and Play operation for HDMI source and display systems.
- Multi-channel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.
- Bidirectional RS-232 Extension - Serial interface data flows in both directions, allowing data transmission and device control.
- Bidirectional Infrared Extension - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line.
- Cost-effective Maintenance - Status LED indicators for HDMI and DGKat™ 2.0 ports facilitate easy local maintenance and troubleshooting.
- Easy Installation - Single twisted-pair cable for signal and power wiring. Compact DigiTOOLS® fan-less enclosure for device-back mounting, or side-by-side mounting of 3 units in a 1U rack space with the optional, compatible Kramer rack adapter.

HDR

4K60 4:4:4 HDCP 2.2

TP-874xr 4K HDR HDMI PoC Receiver with RS–232 & IR over Long–Reach DGKat 2.0

TP-874xr is a high-performance, long-reach DGKat™ 2.0 receiver for 4K@60Hz (4:4:4) HDR HDMI 2.0 HDCP 2.2 signals, RS-232 and IR signals and 2-way powering over twisted pair. It converts the transmitted DGKat™ 2.0 signal into an HDMI signal. TP-874xr extends the signal to up to 50m (160ft) at 4K@60Hz (4:4:4) resolution and up to 70m (230ft) at 4K@30Hz (4:4:4) 24bpp resolution over Kramer shielded cables.

FEATURES

- High Performance Extender - Professional DGKat™ 2.0 receiver for providing long-reach signals and 2-way power over twisted pair copper infrastructures. TP-874xr employs low-level video compression technology that delivers visually lossless performance for 4K@60Hz (4:4:4) HDR signals with near-zero latency. It converts the transmitted DGKat™ 2.0 signal into an HDMI signal.
- HDMI Signal Extension - HDR, HDMI 2.0 and HDCP 2.2 compliant. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D.
- EDID Pass-through - Pass-through algorithm ensures Plug and Play operation for HDMI source and display systems.
- Multi-channel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.
- Bidirectional RS-232 Extension - Serial interface data flows in both directions, allowing data transmission and device control.
- Bidirectional Infrared Extension - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line.
- Cost-effective Maintenance - Status LED indicators for HDMI and DGKat™ 2.0 ports facilitate easy local maintenance and troubleshooting.
- Easy Installation - Single twisted-pair cable for signal and power wiring. Compact DigiTOOLS® fan-less enclosure for device-back mounting, or side-by-side mounting of 3 units in a 1U rack space with the recommended Kramer rack adapter.

TP-583T 4K HDR HDMI Transmitter with RS-232 & IR over Long-Reach HDBaseT

TP-583T is a high-performance, long-reach HDBaseT transmitter for 4K HDR HDMI, RS-232 and IR signals over twisted pair. TP-583T converts all input signals into the transmitted HDBaseT signal. It extends video signals to up to 70m (230ft) over Kramer copper cables at up to 4K@60Hz (4:4:4) video resolutions. It is compatible with standard HDBaseT-compliant extenders at 4K@30Hz and HD video resolutions.

FEATURES

- High Performance Standard Extender - Professional HDBaseT extender for providing long-reach signals over twisted-pair copper infrastructures. TP-583T is a standard extender with backward compatibility with other standard HDBT extenders enabling it to be connected to any market-available HDBaseT-compliant extension product. It employs low-level video compression technology that delivers visually lossless performance for 4K@60 (4:4:4) and HDR signals with near-zero latency.
- Intelligent Compression Handling - Automatically detects a standard HDBaseT extender without compression and disables the compression to extend the signal in compliance with the detected extender.
- HDMI Signal Extension - HDR HDMI 2.0 and HDCP 2.2 compliant. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D. EDID and CEC signals are passed through from the source to the display.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems.
- Multi-channel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.
- Bidirectional RS-232 Extension - Serial interface data flows in both directions, allowing data transmission and device control.
- Bidirectional Infrared Extension - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line.
- Cost-Effective Maintenance - Status LED indicators for HDMI and HDBT ports facilitate easy local maintenance and troubleshooting. Local firmware upgrade via RS-232 connection ensures lasting, field-proven deployment.

TP-583R 4K HDR HDMI Receiver with RS-232 & IR over Long-Reach HDBaseT

TP-583R is a high-performance, long-reach HDBaseT receiver for 4K HDR HDMI, RS-232 and IR signals over twisted pair. TP-583R converts the HDBaseT signal and outputs it to its HDMI and control ports. It enables extending video signals to up to 70m (230ft) over Kramer copper cables at up to 4K@60Hz (4:4:4) video resolutions. It is compatible with standard HDBaseT-compliant extenders at 4K@30Hz and HD video resolutions.

FEATURES

- High Performance Standard Extender - Professional HDBaseT extenders for providing long-reach signals over twisted-pair copper infrastructures. TP-583T and TP-583R are standard extenders with backward compatibility with other standard HDBT extenders enabling them to be connected to any market-available HDBaseT-compliant extension product. They employ low-level video compression technology that delivers visually lossless performance for 4K@60 (4:4:4) and HDR signals with near-zero latency.
- Intelligent Compression Handling - Automatically detects a standard HDBaseT extender without compression and disables the compression to extend the signal in compliance with the detected extender.
- HDMI Signal Extension - HDR HDMI 2.0 and HDCP 2.2 compliant. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D. EDID and CEC signals are passed through from the source to the display.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID hand pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems.
- Multi-channel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.
- Bidirectional RS-232 Extension - Serial interface data flows in both directions, allowing data transmission and device control.
- Bidirectional Infrared Extension - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line.
- Cost-Effective Maintenance - Status LED indicators for HDMI and HDBT ports facilitate easy local maintenance and troubleshooting. Local firmware upgrade via RS-232 connection ensures lasting, field-proven deployment.

TP-583Txr 4K HDR HDMI Transmitter with RS–232 & IR over Extended–Reach HDBaseT

TP-583Txr is a high-performance, extended-reach HDBaseT transmitter for 4K HDR HDMI, RS-232 and IR signals over twisted pair. TP-583Txr converts all input signals into the transmitted HDBaseT signal. It enables extending video signal up to 100m (330ft) at 4K@60Hz (4:4:4) video resolution, up to 180m (590ft) at 4K@30Hz (4:4:4), and up to 200m (650ft) at HD video resolution over Kramer copper cables. It is compatible with standard HDBaseT-compliant extenders at 4K@30Hz and HD video resolutions.

FEATURES

- High Performance Standard Extender - Professional HDBaseT extender for providing up to 200m (650ft) extended-reach video signal extension over twisted-pair copper infrastructures. TP-583Txr is a standard extender with backward HDBT compatibility, enabling it to be connected to any market-available HDBaseT-compliant extension product. It employs low-level video compression technology that delivers visually lossless performance for 4K@60 (4:4:4) and HDR signals with near-zero latency.
- Intelligent Compression Handling - Automatically detects a standard HDBaseT extender without compression and disables the compression to extend the signal in compliance with the detected extender.
- HDMI Signal Extension - HDR HDMI 2.0 and HDCP 2.2 compliant. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D. EDID and CEC signals are passed through from the source to the display.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems.
- Multi-channel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.
- Bidirectional RS-232 Extension - Serial interface data flows in both directions, allowing data transmission and device control.
- Bidirectional Infrared Extension - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line.
- Cost-Effective Maintenance - Status LED indicators for HDMI and HDBT ports facilitate easy local maintenance and troubleshooting. Local firmware upgrade via RS-232 connection ensures lasting, field-proven deployment.

TP-583Rxr 4K HDR HDMI Receiver with RS–232 & IR over Extended–Reach HDBaseT

TP-583Rxr is a high-performance, extended-reach HDBaseT receiver for 4K HDR HDMI, RS-232 and IR signals over twisted pair. TP-583Rxr converts the HDBaseT signal and outputs it to its HDMI and control ports. It enables extending video signal up to 100m (330ft) at 4K@60Hz (4:4:4) video resolution, up to 180m (590ft) at 4K@30Hz (4:4:4), and up to 200m (650ft) at HD video resolution over Kramer copper cables. It is compatible with standard HDBaseT-compliant extenders at 4K@30Hz and HD video resolutions.

FEATURES

- High Performance Standard Extender - Professional HDBaseT extender for providing up to 200m (650ft) extended-reach video signal extension over twisted-pair copper infrastructures. TP-583Rxr is a standard extender with backward HDBT compatibility, enabling it to be connected to any market-available HDBaseT-compliant extension product. It employs low-level video compression technology that delivers visually lossless performance for 4K@60 (4:4:4) and HDR signals with near-zero latency.
- Intelligent Compression Handling - Automatically detects a standard HDBaseT extender without compression and disables the compression to extend the signal in compliance with the detected extender.
- HDMI Signal Extension - HDR HDMI 2.0 and HDCP 2.2 compliant. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D. EDID and CEC signals are passed through from the source to the display.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems.
- Multi-channel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.
- Bidirectional RS-232 Extension - Serial interface data flows in both directions, allowing data transmission and device control.
- Bidirectional Infrared Extension - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line.
- Cost-Effective Maintenance - Status LED indicators for HDMI and HDBT ports facilitate easy local maintenance and troubleshooting. Local firmware upgrade via RS-232 connection ensures lasting, field-proven deployment.

HDR

4K60 4:4:4 HDCP 2.2

TP-594Txr 4K HDR HDMI Transmitter with Ethernet, RS–232, IR, ARC & Stereo Audio Embedding/De–embedding over PoE Extended–Reach HDBaseT 2.0

TP-594Txr is a high-performance, extended-reach HDBaseT 2.0 transmitter for 4K60Hz (4:4:4) HDR, HDMI, Ethernet, RS-232, IR, ARC and stereo audio signals over twisted pair. TP-594Txr converts all input signals into the transmitted HDBaseT 2.0 signal and enables routing the received ARC signal to the HDMI input and to the digital/analog audio ports. It extends video signals to up 100m (330ft) over CAT copper cables at up to 4K@60Hz (4:4:4) 24bpp video resolution and provides even further reach for lower HD video resolutions. The analog port also enables embedding audio into the HDBaseT signal.

FEATURES

- High Performance Standard Extender - Professional HDBaseT extender for providing extended-reach signals over twisted-pair copper infrastructures. TP-594Txr is a standard extender with backward HDBT compatibility, enabling it to be connected to any market-available HDBaseT-compliant extension product. It employs low-level video compression technology that delivers visually lossless performance for 4K@60 (4:4:4) and HDR signals with near-zero latency. For optimum extension reach and performance, use recommended Kramer cables.
- Intelligent Compression Handling - Automatically detects a standard HDBaseT extender without compression and disables the compression to extend the signal in compliance with the detected extender.
- HDMI Signal Extension - Supports HDCP 2.2, deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, CEC, and 3D as specified in HDMI 2.0.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling, processing and pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems.
- Multi-channel Audio Transmission - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.
- Audio Embedding - A balanced analog stereo audio port is converted into a digital signal and embedded to the transmitted HDMI signal, replacing the embedded HDMI audio input signal. This enables embedding a selectable audio source over HDMI. For example, a presenter can display a video clip and temporarily override the audio of the source media with another audio source, such as from a microphone.
- Intelligent ARC (Audio Return Channel) Routing - The HDBaseT-ARC signal is routed to the HDMI input and, in parallel, you can select to route the ARC signal to the digital output and/or analog audio port. This enables you to play the audio on high-quality external speakers and to control the volume from an AV receiver via an IR remote control.
- Ethernet Extension - Ethernet interface data flows in both directions, allowing extension of up to 100Mbps Ethernet connectivity for LAN communication and device control.
- Bidirectional RS-232 Extension - Serial interface data flows in both directions, allowing data transmission and device control.
- Bidirectional Infrared Extension - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line.
- Cost-Effective Maintenance - PoE, link, input detection and power LED indicators for HDMI and HDBT ports, remote web UI management and support, and RS-232 connection for local technician management and support, facilitate easy local maintenance and troubleshooting. Remote firmware upgrade via Ethernet or local via USB connection, ensure lasting, field-proven deployment.
- Easy and Elegant Installation - Single cable connectivity for both HDBaseT signals and power. Compact MegaTOOLS™ fan-less enclosure for dropped-ceiling mounting, or side-by-side mounting of 2 units in a 1U rack space with the recommended rack adapter.
- MegaTOOLS® - Mount 2 units side-by-side in a 1U rack space with the optional rack adapter.

HDR

4K60 4:4:4 HDCP 2.2

TP-594Rxr 4K HDR HDMI Receiver with Ethernet, RS–232, IR, ARC & Stereo Audio Embedding/De–embedding over PoE Extended–Reach HDBaseT 2.0

TP-594Rxr is a high-performance, extended-reach HDBaseT 2.0 receiver for 4K60Hz (4:4:4) HDR, HDMI, Ethernet, RS-232, IR, ARC and stereo audio signals over twisted pair. TP-594Txr receives the transmitted HDBaseT 2.0 signal and routes it the HDMI output. Simultaneously, it routes the ARC signal from the HDMI to the transmitter and to the digital/analog audio ports. It extends video signals to up 100m (330ft) over CAT copper cables at up to 4K@60Hz (4:4:4) 24bpp video resolution and provides even further reach for lower HD video resolutions. The analog and TOSLINK port also enable embedding audio into the HDBaseT signal or HDMI output.

FEATURES

- High Performance Standard Extender - Professional HDBaseT extender for providing extended-reach signals over twisted-pair copper infrastructures. TP-594Rxr is a standard extender with backward HDBT compatibility, enabling it to be connected to any market-available HDBaseT-compliant extension product. It employs low-level video compression technology that delivers visually lossless performance for 4K@60 (4:4:4) and HDR signals with near-zero latency. For optimum extension reach and performance, use recommended Kramer cables.
- Intelligent Compression Handling - Automatically detects a standard HDBaseT extender without compression and disables the compression to extend the signal in compliance with the detected extender.
- HDMI Signal Extension - Supports HDCP 2.2, deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, CEC, and 3D as specified in HDMI 2.0.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling, processing and pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems.
- Multi-channel Audio Transmission - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.
- Audio Embedding - A balanced analog stereo audio port that is converted into a digital signal or a TOSLINK port can embed audio into the transmitted HDMI signal, replacing the embedded HDMI audio input signal. This enables embedding a selectable audio source over HDMI. For example, a presenter can display a video clip and temporarily override the audio of the source media with another audio source, such as from a microphone.
- Intelligent ARC (Audio Return Channel) Routing - The HDMI-ARC signal is routed to the HDMI input on the transmitter side and, in parallel, you can route the ARC signal to the analog audio port. This enables you to play the audio on high-quality external speakers and to control the volume from an AV receiver via an IR remote control.
- Ethernet Extension - Ethernet interface data flows in both directions, allowing extension of up to 100Mbps Ethernet connectivity for LAN communication and device control.
- Bidirectional RS-232 Extension - Serial interface data flows in both directions, allowing data transmission and device control.
- Bidirectional Infrared Extension - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line.
- Cost-Effective Maintenance - PoE, link, input detection and power LED indicators for HDMI and HDBT ports, remote web UI management and support, and RS-232 connection for local technician management and support, facilitate easy local maintenance and troubleshooting. Remote firmware upgrade via Ethernet or local via USB connection, ensure lasting, field-proven deployment.
- Easy and Elegant Installation - Single cable connectivity for both HDBaseT signals and power. Compact MegaTOOLS™ fan-less enclosure for dropped-ceiling mounting, or side-by-side mounting of 2 units in a 1U rack space with the recommended rack adapter.
- MegaTOOLS® - Mount 2 units side-by-side in a 1U rack space with the optional rack adapter.

WP-789T 4K60 4:2:0 HDMI 1–Gang PoE Wall–Plate Transmitter with RS–232 & IR over Long–Reach HDBaseT

US

EU / UK

WP-789T is a high-performance, long-reach HDBaseT wall-plate transmitter for 4K@60Hz (4:2:0) HDMI 2.0 and HDCP 2.2 signals over twisted pair. It converts the HDMI input signal into an HDBaseT signal and transmits it to a compatible receiver. It extends video signals to up to 40m (130ft) over Kramer copper cables at up to 4K@60Hz (4:2:0) 24bpp video resolution and provides even further reach for lower HD video resolutions. This wall-plate is powered through PoE (Power over Ethernet) over the twisted pair cable.

FEATURES

- High Performance Transmitter - Professional HDBaseT transmitter for providing long-reach signals over twisted pair copper infrastructures. WP-789T transmitter employs high-level video compression technology that delivers visually lossless performance for 4K@60Hz (4:2:0) signals with near-zero latency. It converts the HDMI input signal into an HDBaseT signal and transmits it to a compatible receiver.
- HDMI Signal Extension - HDMI 2.0 HDCP 1.4 and 2.2 compliant. Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D.
- EDID Pass-through - Pass-through algorithm ensures Plug and Play operation for HDMI source and display systems.
- Multi-channel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.
- Cost-Effective Maintenance - Power and connectivity status LED indicator facilitates easy local maintenance and troubleshooting.
- Easy Installation - Compactly fits into standard US, EU and UK 1-gang in-wall box size, supporting decorative integration with room deployed user interfaces such as electrical switches. Wall-plate installation is fast and cost-effective via a single twisted pair cable, providing both video signal and power (PoE) connections.

TP-789R 4K60 4:2:0 HDMI Bidirectional PoE Receiver with RS–232 & IR over Long–Reach HDBaseT

TP-789R is a high-performance, long-reach HDBaseT receiver for 4K60Hz (4:2:0) HDMI, RS-232 and IR signals and two-way powering over twisted pair. It extends video signals to up to 40m (130ft) over Kramer copper cables at up to 4K@60Hz (4:2:0) 24bpp video resolution and provides even further reach for lower HD video resolutions. This receiver either provides power over the copper extension cable to a POE (Power over Ethernet) acceptor device such as a PoE wall-plate, or accepts PoE through the extension cable from a PoE provider remote device, as auto-sensed by the receiver.

FEATURES

- High Performance Standard Extender - Professional HDBaseT extender for providing long-reach signals and powering over twisted-pair copper infrastructures. TP-789R is a standard extender that can be connected to any market-available HDBaseT-compliant extension product. For optimum extension reach and performance, use recommended Kramer cables.
- Bidirectional PoE (Power over Ethernet) - Auto-senses the extension line PoE status and either provides power to a remote POE acceptor such as a PoE wall-plate, or accepts power from a remote PoE provider such as a PoE matrix.
- HDMI Signal Extension - Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0. EDID and CEC signals are passed through from the source to the display.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems.
- Multi-channel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.
- Bidirectional RS-232 Extension - Serial interface data flows in both directions, allowing data transmission and device control.
- Bidirectional Infrared Extension - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line.
- Cost-Effective Maintenance - Status LED indicators for HDMI and HDBT ports and PoE feed status facilitate easy local maintenance and troubleshooting. Local firmware upgrade via RS-232 connection ensures lasting, field-proven deployment.

TP-789Rxr 4K60 4:2:0 HDMI Bidirectional PoE Receiver with Ethernet, RS−232 & IR over Extended−Reach HDBaseT

TP-789Rxr is a high-performance, extended-reach HDBaseT receiver for 4K60Hz (4:2:0) HDMI, Ethernet, RS-232 and IR signals and 2-way powering over twisted pair. It extends video signals to up to 100m (330ft) over Kramer copper cables at up to 4K@60Hz (4:2:0) 24bpp video resolution and provides even further reach for lower HD video resolutions. This receiver either provides power over the copper extension cable to a POE (Power over Ethernet) acceptor device such as a PoE wall-plate, or accepts PoE through the extension cable from a PoE provider remote device, as auto-sensed by the receiver.

FEATURES

- High Performance Standard Extender - Professional HDBaseT extender for providing extended-reach signals and powering over twisted-pair copper infrastructures. TP-789Rxr is a standard extender that can be connected to any market-available HDBaseT-compliant extension product. For optimum extension reach and performance, use recommended Kramer cables.
- Bidirectional PoE (Power over Ethernet) - Auto-senses the extension line PoE status and either provides power to a remote POE acceptor such as a PoE wall-plate, or accepts power from a remote PoE provider such as a PoE matrix.
- HDMI Signal Extension - Supports deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0. EDID and CEC signals are passed through from the source to the display.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems.
- Multi-channel Audio Extension - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.
- Ethernet Extension - Ethernet interface data flows in both directions, allowing extension of up to 100Mbps Ethernet connectivity for LAN communication and device control.
- Bidirectional RS-232 Extension - Serial interface data flows in both directions, allowing data transmission and device control.
- Bidirectional Infrared Extension - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line.
- Cost-Effective Maintenance - Status LED indicators for HDMI and HDBT ports and PoE feed status facilitate easy local maintenance and troubleshooting. Local firmware upgrade via RS-232 connection ensures lasting, field-proven deployment.

675T 4K60 4:4:4 HDMI Transmitter over Ultra−Reach Fiber Optic

675T is a high-performance HDMI fiber transmitter for ultra-reach extension of 4K60Hz (4:4:4) HDMI signals over multi-mode or single-mode fiber optic. 675T converts the HDMI input signal to an optical signal that is transmitted over a single fiber optic cable to a compatible receiver that converts it back to an HDMI signal.

675T extends the HDMI signal to up to 3km (1.86 miles) over multi-mode fiber at up to 4K@60Hz (4:4:4) resolution or up to 33km (20.5 miles) over single-mode fiber at up to 4K@60Hz (4:4:4) resolution.

FEATURES

- High Performance Standard Fiber Extender - HDMI fiber transmitter for providing ultra-reach signals over either multi-mode or single-mode optical fiber infrastructures, using Kramer pluggable OSP SFP+ units. 675T is a standard fiber extender that can be connected to any market-available HDMI-compliant extension product.
- Note: To ensure Kramer support and warranty of this product, use only Kramer's certified hi-performance OSP SFP+ pluggable optical units. For optimum extension reach and performance, use Kramer's OSP SFP+ units and recommended Kramer cables. Non-Kramer cables may not reach these ranges.
- HDMI Signal Extension - HDCP 2.2 compliant and supports up to 18G (6G per channel) data rate, LPCM 7.1, Dolby True HD, and DTS-HD as specified in HDMI 2.0.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling, processing and pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems.
- Cost-Effective Maintenance - Status LED indicators for power, source detection, sink detection and HDMI Tx and Rx link detection facilitate easy local troubleshooting. Local firmware upgrade via mini-USB connection and the K-Upload tool ensures lasting, field-proven deployment.
- Easy Installation - DigiTOOLS® rack mountable fan-less enclosure enables side-by-side mounting of 3 units in a 1U rack space with the recommended rack adapter.

675R 4K60 4:4:4 HDMI Receiver over Ultra−Reach Fiber Optic

675R is a high-performance HDMI fiber receiver for ultra-reach extension of 4K60Hz (4:4:4) HDMI signals over multi-mode or single-mode fiber optic. 675R receives the transmitted optical signal from a compatible transmitter and converts it to an HDMI signal.

675R extends the HDMI signal up to 3km (1.86 miles) over multi-mode fiber at up to 4K@60Hz (4:4:4) resolution or up to 33km (20.5 miles) over single-mode fiber at up to 4K@60Hz (4:4:4) resolution.

FEATURES

- High Performance Standard Fiber Extender - HDMI fiber transmitter for providing ultra-reach signals over either multi-mode or single-mode optical fiber infrastructures, using Kramer pluggable OSP SFP+ units. 675R is a standard fiber extender that can be connected to any market-available HDMI-compliant extension product.
- Note: To ensure Kramer support and warranty of this product, use only Kramer's certified hi-performance OSP SFP+ pluggable optical units. For optimum extension reach and performance, use Kramer's OSP SFP+ units and recommended Kramer cables. Non-Kramer cables may not reach these ranges.
- HDMI Signal Extension - HDMI Signal Extension — HDCP 2.2 compliant and supports up to 18G (6G per channel) data rate, LPCM 7.1, Dolby True HD, and DTS-HD as specified in HDMI 2.0.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling, processing and pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems.
- Cost-Effective Maintenance - Status LED indicators for power, source detection, sink detection and HDMI Tx and Rx link detection facilitate easy local troubleshooting. Local firmware upgrade via mini-USB connection and the K-Upload tool ensures lasting, field-proven deployment.
- Easy Installation - DigiTOOLS® rack mountable fan-less enclosure enables side-by-side mounting of 3 units in a 1U rack space with the recommended rack adapter.

Scalers & Converters

VP-429H2 4K60 4:4:4 HDMI, DP and VGA Scaler / Switcher Tool

4K60 4:4:4 HDCP 2.2

VP-429H2 is a 4K@60Hz (4:4:4) scaler / switcher tool for HDMI, DisplayPort, VGA, and unbalanced audio signals. The unit scales the signal and outputs it on HDMI. Step-In functionality provides easy plug-and-play collaboration when connected to a switcher that supports Step-in over HDMI. It also features convenient RS-232 control of monitor or projector activation and supports Ethernet, contact closure switches and RS-232 control.

FEATURES

- High-Performance Switcher/Scaler - Scales signals of all standard resolutions up to 4K (4:4:4) HDCP 2.2 HDMI 2.0 for output to the HDMI output. Constant output sync prevents signal disruption when switching between inputs and when no video is detected. Deep Color, x.v.Color™ and 3D HDMI Support.
- Superior Switching and Signal Control - Select automatic switching options using live input detection, enable or disable HDCP per input, copy and save the EDID to the inputs (supported on HDMI and DisplayPort inputs), and define output refresh rate and aspect ratio.
- Local Step-In Switching - When used with a Step-In enabled switcher, just plug in your device and press the Step-In button or use the contact closure Step-In switch. Your device becomes the active signal on the main display.
- Diverse Inputs - 2 HDMI (4K@60Hz (4:4:4)), 1 DisplayPort and 1 VGA input.
- Cost-Effective and Convenient Control Options - Local control via front panel input selection buttons and setup DIP-switches, Ethernet with embedded web pages, RS-232 serial ports for control of the unit and of a display via the unit, and GPI controls.
- Easy Installation - Compact MegaTOOLS® fan-less enclosure for surface mounting or side-by-side mounting of 2 units in a 1U rack space with the recommended rack adapter.

HDR

VP-426C 18G 4K HDR HDMI ProScale™ Digital Scaler with HDMI, USB−C and VGA Inputs

4K60 4:4:4 HDCP 2.2

VP-426C is a high-performance digital scaler for HDMI, USB Type-C and computer graphics/HDTV signals. The unit up- or down-scales the selected video signal to resolutions up to 4K@60 (4:4:4) at a maximum data rate of 18G (6G per graphic channel). The user selects the HDMI, USB Type-C, or VGA/HDTV input and the scaled output is sent to the HDMI output.

FEATURES

- High-Performance Professional Scaler - Up-scales or down-scales HDMI, USB type-C and VGA/HDTV signals to any resolution up to 4K@60 (4:4:4). The scaler supports HDR10, HDMI 2.0 and HDCP 2.2/1.4, and features Input Auto-Switching, Constant Sync on the output even if the input video signal is lost or interrupted, and a built-in ProcAmp for convenient signal adjustment.
- Fast, Smooth Manual and Auto Switching Between Sources - Select the HDMI, USB Type-C or VGA/HDTV input, or configure the device to automatically select the active source.
- Flexible Analog Audio Embedding and Extraction (De-embedding) - The user can select the unbalanced analog audio input to embed into the HDMI output signal. On the output, the user can select to extract the audio signal and output it as balanced analog audio.
- EDID Handling - Reading and storage of the video acceptor's EDID.
- Convenient Control - Control the unit using an OSD (On-Screen Display) via front panel buttons and input selector, video freeze and resolution reset front panel buttons. Additionally, connect to the contact closure connector for remote switching of sources. All settings are saved in non-volatile memory.
- User-Friendly Operation - LED indicator for each input and for power status. Local firmware upgrade via the USB type-A port ensures lasting, field-proven deployment.
- Easy Installation - Compact MegaTOOLS® fan-less enclosure for surface mounting or side-by-side mounting of 2 units in a 1U rack space with the recommended rack adapter.

VP-427UHD 4K HDBT Receiver / Scaler Tool with HDBaseT and HDMI Inputs

VP-427UHD is a high-performance 4K HDBaseT receiver scaler with a local HDMI input. It supports automatic and manual switching between the 2 inputs, with fast and visually seamless transitions. The unit up-scales, down-scales, and cross-scales to resolutions up to 4K@60 (4:2:0). The output resolution is set by the user or follows the native resolution of the source.

FEATURES

- High-Performance Receiver/Scaler - Scales signals of all standard resolutions up to 4K (4:2:0) for routing to the HDMI output. Constant output sync prevents signal disruption when switching between inputs and when no video is detected. Flexible Audio Output - Analog balanced stereo and digital S/PDIF outputs for de-embedding the audio output.
- Data Tunnelling - Extend RS-232, IR, and Ethernet over the HDBaseT line.
- Cost-Effective and Convenient Control Options - Ethernet (including embedded web pages) and RS-232 serial port, and local control via front panel input selection and OSD menu buttons,
- Versatile Powering Options - Power the unit with PoE (Power over Ethernet) over the HDBaseT line or with the power adapter.
- Easy Installation - Single cable connectivity for both the HDBaseT signal and PoE power. Compact MegaTOOLS® fan-less enclosure for surface mounting or side-by-side mounting of 2 units in a 1U rack space with the recommended rack adapter.

VP-424C 18G 4K HDMI to HDMI ProScale™ Digital Scaler with HDMI and USB−C Inputs

VP-424C is a high-performance digital scaler for HDMI and USB type-C signals. The unit up- or down-scales the selected video signal to resolutions up to 4K@60Hz (4:4:4) at a maximum data rate of 18G (6G per graphic channel). The user selects the HDMI or USB type-C input and the scaled output is sent to the HDMI output.

FEATURES

- High-Performance Professional Scaler - Up-scales or down-scales HDMI and USB type-C signals to any resolution up to 4K@60 (4:4:4). The scaler supports HDMI 2.0 and HDCP 2.2/1.4, and features Input Auto-Switching, Constant Sync on the output even if the input video signal is lost or interrupted, and a built-in ProcAmp for convenient signal adjustment.
- Fast, Smooth Manual and Auto Switching Between Sources - Select the HDMI or USB Type-C input, or, if no input is selected, the active source is automatically selected.
- EDID Handling - Reading and storage of the video acceptor's EDID.
- Convenient Control - Control the unit using an OSD (On-Screen Display) via front panel buttons and input selector, video freeze and resolution reset front panel buttons. Additionally, connect to the contact closure connector for remote switching of sources. All settings are saved in non-volatile memory.
- User-Friendly Operation - LED indicator for active input and for power status. Local firmware upgrade via the USB type-A port ensures lasting, field-proven deployment.
- Easy Installation - Compact MegaTOOLS® fan-less enclosure for surface mounting or side-by-side mounting of 2 units in a 1U rack space with the recommended rack adapter.

Audio

KRAMER
STATUS
PORTS
DANTE
HDMI™
S/PDIF
AMPLIFIER
20-Port Audio Matrix
AFM-20DSP
S/PDIF IN
SPEAKER OUT
Lo-Z
Dante
ETHERNET
RS-232
USB
IN1
OUT1
S/PDIF OUT
Hi-Z
COM

AFM-20DSP 20–Port Audio Matrix with DSP and Interchangeable Inputs & Outputs

AFM-20DSP is a high-performance, professional audio matrix switcher with 20 analog ports that can be configured as inputs or outputs according to preset I/O configurations. AFM-20DSP includes a built-in 2x60W @ 8Ω and 1x120W @ 70V / 100V power amplifier, a 4x4 Dante interface, HDMI input and output, and S/PDIF input and output. The comprehensive and user-friendly graphic interface makes configuring every detail of your audio system intuitive and easy.

FEATURES

- High-Performance, Professional Audio Matrix Switcher - Professional, studio grade signal conversion technology, Including the latest generation 32-bit advanced Digital Analog Converter architecture to achieve excellent dynamic performance and improved tolerance to clock jitter. Maintains the quality of the original audio signal with selectable sampling rates up to 96 kHz. Flat frequency response, unmatched sonic performance, excellent signal to noise ratio, and extraordinarily low distortion levels.
- Wide Range of I/O Formats - Includes 20 analog ports, 4x4 Dante interface, HDMI input and output, and S/PDIF input and output.
- Built-in Power Amplifier - 2x60W @ 8Ω and 1x120W @ 70V / 100V power amplifier.
- Maximum Flexibility - Customize the analog port configuration: use the default 12 x8 I/O matrix configuration or select from one of the many other preset I/O configurations. Route any input to any output:even between different formats (for example, route an analog input to an S/PDIF output). Control volume and DSP per port. Route any of the ports to the power amplifier.
- Intuitive and Comprehensive Configuration and Control - Via a powerful, user-friendly graphic interface, set volume (gain and attenuation) and DSP per input, execute routing, select line in, mic in, phantom power or line out on each port, configure master level and more.
- Multi-Channel Processing - Provides DSP (Digital Sound Processing) that enables simultaneous processing of all input and output signals.
- Audio De-embedding - De-embeds the audio signal from the HDMI input for routing to any of the outputs or for routing to the loop ouput.
- Programmable - Supports up to 10 global presets per I/O configuration plus 10 mixer snapshot presets.
- Call Center and Microphone Optimization - Provides 8ch. Of AEC (Acoustic Echo Cancellation) and Feedback Suppression for automatic processing of audio.
- Convenient Control - Via the user-friendly embedded web pages and RS-232 serial controller, control signal routing, independent volume.
- Easy, Cost-Effective Maintenance - LED indicators for main power, line in/out, mic in, clipping, power amp, Dante sync, and HDMI, enable easy local maintenance and troubleshooting. Local firmware upgrade via the USB type-A port ensures lasting, field-proven deployment.
- Easy Installation - 19” enclosure for rack mounting a unit in a 1U rack space with included rack ears and universal 100-240V AC power connection.

AFM-20 20–Port Audio Matrix with Interchangeable Inputs & Outputs

AFM-20 is a high-performance, professional audio matrix switcher with 20 analog ports that can be configured as inputs or outputs according to preset I/O configurations. AFM-20 includes a built-in 2x60W @ 8Ω and 1x120W @ 70V / 100V power amplifier, a 4x4 Dante interface, HDMI input and output, and S/PDIF input and output. The comprehensive and user-friendly graphic interface makes configuring every detail of your audio system intuitive and easy.

FEATURES

- High-Performance, Professional Audio Matrix Switcher - Professional, studio grade signal conversion technology, Including the latest generation 32-bit advanced Digital Analog Converter architecture to achieve excellent dynamic performance and improved tolerance to clock jitter. Maintains the quality of the original audio signal with selectable sampling rates up to 96 kHz. Flat frequency response, unmatched sonic performance, excellent signal to noise ratio, and extraordinarily low distortion levels.
- Wide Range of I/O Formats - Includes 20 analog ports, 4x4 Dante interface, HDMI input and output, and S/PDIF input and output.
- Built-in Power Amplifier - 2x60W @ 8Ω and 1x120W @ 70V / 100V power amplifier.
- Maximum Flexibility - Customize the analog port configuration: use the default 12 x8 I/O matrix configuration or select from one of the many other preset I/O configurations. Route any input to any output:even between different formats (for example, route an analog input to an S/PDIF output). Control volume per port. Route any of the ports to the power amplifier.
- Intuitive and Comprehensive Configuration and Control - Via a powerful, user-friendly graphic interface, set volume (gain and attenuation) per input, execute routing, select line in, mic in, phantom power or line out on each port, configure master level and more.
- Audio De-embedding - De-embeds the audio signal from the HDMI input for routing to any of the outputs or for routing to the loop ouput.
- Programmable - Supports up to 10 global presets per I/O configuration plus 10 mixer snapshot presets.
- Call Center and Microphone Optimization - Provides 8ch. Of AEC (Acoustic Echo Cancellation) and Feedback Suppression for automatic processing of audio.
- Convenient Control - Via the user-friendly embedded web pages and RS-232 serial controller, control signal routing, independent volume.
- Easy, Cost-Effective Maintenance - LED indicators for main power, line in/out, mic in, clipping, power amp, Dante sync, and HDMI, enable easy local maintenance and troubleshooting. Local firmware upgrade via the USB type-A port ensures lasting, field-proven deployment.
- Easy Installation - 19” enclosure for rack mounting a unit in a 1U rack space with included rack ears and universal 100-240V AC power connection.

PA-120Net 120W Networked Power Amplifier

PA-120Net is a high-performance, selectable Hi-Z (70V/100V) or Lo-Z (4Ω/8Ω) power amplifier featuring balanced and unbalanced inputs, additional line-level output and Dante interface. This versatile amplifier features built-in DSP, auto-standby and maximum durability. PA-120Net is suitable for a vast range of AV installations.

FEATURES

- High-performance Amplifier - With built-in DSP and additional balanced stereo line-level output. PA-120Net features flat frequency response, unmatched sonic performance, excellent signal to noise ratio, and extraordinarily low distortion levels.
- Adaptable to Any AV Installation - Switch between Lo-Z and Hi-Z to accommodate any type of loudspeaker installation. Select 1 Channel of 120W into a 70V/100V line or 2 channels of 60W into 4Ω/8Ω.
- Easy, Scalable and Cost-Effective Dante Audio Networking - Dante makes networking any size audio installation easy by providing digital signal transmission over a local area network using standard Internet protocols. The unit is part of the expanding family of products that make up Kramer's Dante ecosystem. These products are fully compatible and integrate into any Dante-enabled system.
- Individual Mix Per Output - Each output supports an independent input mix with master volume, 3-band parametric EQ, and selectable high-pass filter. Create one output mix and EQ settings suitable for the venue and another for recording or cascading more amplifiers, powered speakers or subwoofers according to any AV installation requirements.
- Professional, Studio Grade Signal Conversion Technology - Includes the latest generation 32-bit advanced Digital Analog Converter architecture to achieve excellent dynamic performance and improved tolerance to clock jitter. Maintains the quality of the original audio signal with selectable sampling rates up to 96 kHz.
- Durable and Reliable - PA-120Net is immune to failure. It includes layers of protection against over-current, DC voltage at the outputs, high frequency, and over-heating with intelligent, heat-sensitive fans for added protection.
- Flexible Control Options - Control locally via RS-232 serial commands or remotely via embedded web pages over Ethernet.
- Power Efficient - This super-efficient amplifier includes auto-standby for power saving and cost reducing operation. No need to rely on default auto-standby settings. Adjust your noise floor threshold based on exactly when your amplifier needs to go into sleep mode and when it needs to wake up.
- Easy Installation - ½ 19" size enables mounting in a 1U rack space with the recommended rack adapter.

PA-240Net 240W Networked Power Amplifier

PA-240Net is a high-performance, selectable Hi-Z (70V/100V) or Lo-Z (4Ω/8Ω) power amplifier featuring balanced and unbalanced inputs and additional line-level output and Dante interface. This versatile amplifier features built-in DSP, auto-standby and maximum durability. PA-240Net is suitable for a vast range of AV installations.

FEATURES

- High-performance Amplifier - With built-in DSP and additional balanced stereo line-level output. PA-240Net features flat frequency response, unmatched sonic performance, excellent signal to noise ratio, and extraordinarily low distortion levels.
- Adaptable to Any AV Installation - Switch between Lo-Z and Hi-Z to accommodate any type of loudspeaker installation. Select 1 Channel of 240W into a 70V/100V line or 2 channels of 120W into 4Ω/8Ω.
- Easy, Scalable and Cost-Effective Dante Audio Networking - Dante makes networking any size audio installation easy by providing digital signal transmission over a local area network using standard Internet protocols. The unit is part of the expanding family of products that make up Kramer's Dante ecosystem. These products are fully compatible and integrate into any Dante-enabled system.
- Individual Mix Per Output - Each output supports an independent input mix with master volume, 3-band parametric EQ, and selectable high-pass filter. Create one output mix and EQ settings suitable for the venue and another for recording or cascading more amplifiers, powered speakers or subwoofers according to any AV installation requirements.
- Professional, Studio Grade Signal Conversion Technology - Includes the latest generation 32-bit advanced Digital Analog Converter architecture to achieve excellent dynamic performance and improved tolerance to clock jitter. Maintains the quality of the original audio signal with selectable sampling rates up to 96 kHz.
- Durable and Reliable - PA-240Net is immune to failure. It includes layers of protection against over-current, DC voltage at the outputs, high frequency, and over-heating with intelligent, heat-sensitive fans for added protection.
- Flexible Control Options - Control locally via RS-232 serial commands or remotely, via embedded web pages over Ethernet.
- Power Efficient - This super-efficient amplifier includes auto-standby for power saving and cost reducing operation. No need to rely on default auto-standby settings. Adjust your noise floor threshold based on exactly when your amplifier needs to go into sleep mode and when it needs to wake up.
- Easy Installation - ½ 19" size enables mounting in a 1U rack space with the recommended rack adapter.

FC-46H2 4K HDR HDMI Audio De–embedder

The FC-46H2 is a professional HDMI audio de-embedder for HDMI signals up to 4K@60Hz (4:4:4) resolution. The unit de-embeds the audio signal from the HDMI input or from the HDMI output ARC (Audio Return Channel) and simultaneously outputs it to the S/PDIF® and 5-pin balanced audio outputs.

FEATURES

- Professional HDMI Audio De-embedder - De-embeds the audio from HDMI signals with resolution up to 4K@60Hz (4:4:4) and data rate up to 18Gbps (6Gbps per graphic channel), supporting HDR and HDCP 2.2/1.4.
- Flexible De-embedding - De-embed the audio from the HDMI input or from the HDMI output ARC (Audio Return Channel).
- Varied Output Options - De-embedded audio is simultaneously output to an S/PDIF® and 5-pin balanced audio outputs.
- Smart EDID Management - Select one of the EDID management modes using the DIP-switches: pass-through, lock or force 2 channel LPCM.
- Kramer re-Klocking™ and Equalization Technology - Rebuilds the digital signal to travel longer distances.
- Convenient Control and Maintenance - Audio Source front panel button enables local switching to either the HDMI input audio or the HDMI output ARC. Audio source, audio output, and power LED indicators enable easy local maintenance and troubleshooting. Local firmware upgrade via the mini USB port ensures lasting, field-proven deployment.
- Easy Installation - Compact DigTOOLS® fan-less enclosure for surface mounting or side-by-side mounting of 3 units in a 1U rack space with the recommended rack adapter.

FC-102Net 2–Channel Dante Encoder & PoE Acceptor

FC-102Net is a compact 2-channel Dante™ encoder with 2 balanced mono audio inputs that enables connecting non-Dante sources, such as microphones, laptops and players to a Dante network. It supports line level and microphone level sources and can provide 48V phantom power per input. FC-102Net is powered over Ethernet from any standard PoE providing network switch.

FEATURES

- Dante Network Interface.
- PoE Acceptor.
- Inputs - 2 balanced mono audio on a 3-pin terminal blocks.
- Output - 2 Dante channels on an RJ-45 connector.
- Output Volume Control.
- Versatile Control - Via the Dante IP control matrix and Kramer Protocol 3000 via RS-232 connection.
- Professional, Studio Grade Signal Conversion Technology - Includes the latest generation 32-bit advanced Digital Analog Converter architecture to achieve excellent dynamic performance and improved tolerance to clock jitter. Maintains the quality of the original audio signal with selectable sampling rates up to 96 kHz.
- Easy Installation - Single twisted-pair cable for signal and power wiring. Compact PicoTOOLS® fan-less enclosure for device-back mounting, or side-by-side mounting of 4 units in a 1U rack space with the recommended rack adapter.

AV over IP

POWER
T/R
SOURCE
LAN
VIDEO
Tx
Rx
LINK
MENU
-
+
INFO/ENTER
4K SDVoE™ Transceiver
KDS-8
HDMI™ OUT
HDMI™ IN
10GbE (PoE)
AUDIO
IR OUT
IR IN
RS-232
Tx Rx G
SERVICE
1GbE LAN
12V DC

HDR

4K60 4:4:4 HDCP 2.2

KDS-8 Zero Latency 4K HDR SDVoE Video Streaming Transceiver over Copper

KDS-8 is a high-performance, zero latency, 4K@60Hz (4:4:4) video streaming transceiver for streaming via Ethernet over copper cable. KDS-8 can be set as either an encoder or decoder. As an encoder, it encodes and streams the HDMI input along with IR, RS-232, and analog audio, over an IP network. As a decoder, it receives the encoded signal and decodes it for output.

FEATURES

- High-Performance Video Streaming Transceiver - Streams up to 4K@60Hz (4:4:4) resolution signals over a 10G network interface, providing lossless compression.
- Maximum Compatibility - Fully standard and compliant SDVoE™ codec, enables compatibility with other software and hardware streaming platforms.
- HDCP 2.2 Compliant, HDR Support, Genlock and Fastswitch Modes Support
- High-Speed 10G Network Switch - Managed switch provides: multicast, jumbo frames, IGMP snooping and fast leave.
- Analog Audio Embedding - Provides an unbalanced analog audio port for embedding audio into the streaming signal.
- Bi-directional IR over IP - Control an IR device located on the decoder side from the encoder and vice versa.
- Bi-directional RS-232 over IP - Control a serial device located on the decoder side from the encoder and vice versa.
- Video Wall Support.
- Multiview Support
- Easy, Cost-Effective Maintenance - LED indicators for main power, Tx/Rx mode setting, HDMI video source detection, and Tx and Rx transmission enable easy local maintenance and troubleshooting.
- Simple System Management - Remote system management support to enable quick and efficient remote system and device life-cycle management.

Presentation & Collaboration

VIA Campus2 4K60 Wireless Presentation & Collaboration for Education, Training or Any Meeting Environment

VIA Campus2 is a wireless presentation and collaboration solution that makes it easier to get actual work done during meetings. With any laptop or mobile device, users can view, edit and comment on documents in real time and record sessions. Meeting participants can display or stream full uninterrupted HD video (up to 1080p60) from their device, and even play YouTube® videos in full frame rate.

VIA Campus2 can show up to six user screens on a single main display and 12 on two displays. Users can also view the main display on their own device. VIA Campus2 features iOS mirroring for MacBook, iPad, and iPhone, as well as native mirroring for Chromebook and Android (Lollipop OS 5.0 or newer).

VIA Campus2 supports 3rd party conferencing and office apps, such as Microsoft Office®, SkypeforBusiness®, GoToMeeting®, Lync®, and WebEx®. The solution can handle any size collaboration or meeting space and is ideal for training venues and classrooms, thanks to the native e-polling feature that enables easy and instant verification of how much trainees and students are actually learning.

FEATURES

- Easy and Effective Wireless Device Connectivity - Built-in Wifi enables user devices to connect directly to the VIA device without using a router or dongle. Or connect to your local network for enabling devices to connect via the corporate network while enabling a secondary network for your guests.
- 60fps Streaming Multimedia - Share HD wireless video streaming (using the VIA app Multimedia feature).
- One 4K@30 (RGB) HDMI output and one 4K@60 DisplayPort output.
- Remote Power Control - via a relay port.
- iOS, Android, Chromebook® and Miracast® Mirroring.
- Room Calendar Integration - Shows the room occupancy schedule on the main display.
- Internal Web Browser - Open any browser to display content.
- DHCP Support.
- Streaming Input for the Internal Media Player.
- Cloud-Based File Sharing - Drag and drop files to the internal VIA cloud storage (128GB).
- Emergency Messages - Create instant alert messages for immediate push to the main display.
- Whiteboard Support.
- Control - Give a participant control over a presenter's PC for true collaboration.
- Chat - Send an instant message to another user.
- iCloud, DropBox®, Google Drive®, OneDrive® Integration.
- View Main Display - View the main display on your own device.
- Third-Party App Support - Like Microsoft Office®, SkypeforBusiness®, GoToMeeting® and WebEx®.
- Icon Shortcuts - On the splash page for 3rd party applications.
- e-Polling - Offer custom e-Polling to users and produce reports.
- Integrated YouTube Player - Create playlists, share videos or drag and drop any YouTube clip to your VIA app for seamless video playback.
- Streaming Output - Stream all collaboration activity from the main display to any H.264 decoder.
- Recording - Record an entire VIA video and audio session to a local video file.
- Digital Signage - Display dynamic content on the main display during meeting downtime.
- Seamless VSM Integration - With VIA Site Management (VSM) software.
- Multilingual Support - Experience VIA in your language.
- Warranty - 3 years on hardware.

VIA Campus2 PLUS 4K60 Simultaneous Wired and Wireless Presentation & Collaboration Solution

VIA Campus2 PLUS is a simultaneous wired and wireless presentation and collaboration solution that makes it easier to get actual work done during meetings. VIA Campus2 PLUS delivers all the outstanding features found in the VIA Campus2 with the addition of an HDMI™ input for simple and seamless wired connectivity. With any laptop or mobile device, users can view, edit and comment on documents in real time and record sessions. Meeting participants can display or stream full uninterrupted HD video (up to 1080p60) from their device, and even play YouTube® videos in full frame rate.

VIA Campus2 PLUS can show up to six user screens on a single main display and 12 on two displays. Users can also view the main display on their own device. VIA Campus PLUS features iOS mirroring for MacBook, iPad, and iPhone, as well as native mirroring for Chromebook and Android (Lollipop OS 5.0 or newer).

VIA Campus2 PLUS supports 3rd party conferencing and office apps, such as Microsoft Office®, SkypeforBusiness®, GoToMeeting®, Lync®, and WebEx®. The solution can handle any size collaboration or meeting space and is ideal for training venues and classrooms, thanks to the native e-polling feature that enables easy and instant verification of how much trainees and students are actually learning.

FEATURES

- Easy and Effective Wireless Device Connectivity - Built-in Wifi enables user devices to connect directly to the VIA device without using a router or dongle. Or connect to your local network for enabling devices to connect via the corporate network while enabling a secondary network for your guests.
- 4K@60 HDMI Wired Input - Enables hard-wiring your computer or other HDMI compatible device such as a camera, multimedia player or computer. Note: Does not support HDCP signals.
- 60fps Streaming Multimedia - Share HD wireless video streaming (using the VIA app Multimedia feature).
- One 4K@30 (RGB) HDMI output and one 4K@60 DisplayPort output.
- Remote Power Control - via a relay port.
- iOS, Android, Chromebook® and Miracast® Mirroring.
- Room Calendar Integration - Shows the room occupancy schedule on the main display.
- Internal Web Browser - Open any browser to display content.
- DHCP Support.
- Streaming Input for the Internal Media Player.
- Cloud-Based File Sharing - Drag and drop files to the internal VIA cloud storage (128GB).
- Emergency Messages - Create instant alert messages for immediate push to the main display.
- Whiteboard Support.
- Control - Give a participant control over a presenter's PC for true collaboration.
- Chat - Send an instant message to another user.
- iCloud, DropBox®, Google Drive®, OneDrive® Integration.
- View Main Display - View the main display on your own device.
- Third-Party App Support - Like Microsoft Office®, SkypeforBusiness®, GoToMeeting® and WebEx®.
- Icon Shortcuts - On the splash page for 3rd party applications.
- e-Polling - Offer custom e-Polling to users and produce reports.
- Integrated YouTube Player - Create playlists, share videos or drag and drop any YouTube clip to your VIA app for seamless video playback.
- Streaming Output - Stream all collaboration activity from the main display to any H.264 decoder.
- Recording - Record an entire VIA video and audio session to a local video file.
- Digital Signage - Display dynamic content on the main display during meeting downtime.
- Seamless VSM Integration - With VIA Site Management (VSM) software.
- Multilingual Support - Experience VIA in your language.
- Warranty - 3 years on hardware.

Control & Management

RC-206 6-Button I/O Control Keypad (EU, UK, US)

US

EU / UK

RC-206 is a compact 6-button control keypad that fits US, European and UK standard 1-gang wall junction boxes. Easy to deploy, RC-206 fits decoratively within a room design and is perfectly suited for use as a user interface keypad within a Kramer Control system. Using K-Config, tap into the rich, built-in I/O interfaces that enable this keypad to be used as a flexible, standalone room controller. In this way, it is ideal for classroom and meeting room control, providing end-user convenient control of complex multimedia systems and other room facilities such as screens, lighting and shades.

Multiple keypads can be linked together side-by-side or at a distance, via a single K-NET™ cable carrying both power and communication, providing uniform design and user experience.

FEATURES

- Clear and Customizable User Interface - RGB-color, tactile feedback, backlit buttons with custom labeled, removable button caps, allowing simple and intuitive end-user and guest control over facility deployed devices and systems.
- Flexible Room Control - Control any room device via LAN connections, multiple RS-232 and RS-485 serial ports, and various IR, relay and general purpose I/O built-in device ports. Connect the keypad to an IP network with additional control gateways interfacing with remote controlled devices, for extending control across large space facilities.
- Expandable Control System - According to arising demands, easily expands to be part of a larger control system, or coupled-operation with auxiliary keypads, via either LAN or K-NET™ single cable connection delivering both power and communication.
- Simple Control Programming - Using K-Config software. Leverage the power of Kramer's highly customizable, flexible and user-friendly software, to easily program complex control scenarios of Pro-AV, Lighting, and other room and facility controlled devices.
- Easy and Cost-effective Installation - Compactly fits into standard US, EU and UK 1-gang in-wall box size, allows decorative integration with room deployed user interfaces such as electrical switches.

RC-208 8-Button I/O Control Keypad (EU, UK, US)

US

EU / UK

RC-208 is a compact 8-button control keypad that fits US, European and UK standard 1-gang wall junction boxes. Easy to deploy, RC-208 fits decoratively within a room design. It is perfectly suited for use as a user interface keypad within a Kramer Control system. Using K-Config, tap into the rich, built-in I/O interfaces that enable this keypad to be used as a flexible, standalone room controller. In this way, it is ideal for classroom and meeting room control, providing end-user convenient control of complex multimedia systems and other room facilities such as screens, lighting and shades.

Multiple keypads can be linked together side-by-side or at a distance, via a single K-NET™ cable carrying both power and communication, providing uniform design and user experience.

FEATURES

- Clear and Customizable User Interface - RGB-color, tactile feedback, backlit buttons with custom labeled, removable button caps, allowing simple and intuitive end-user and guest control over facility deployed devices and systems.
- Flexible Room Control - Control any room device via LAN connections, multiple RS-232 and RS-485 serial ports, and various IR, relay and general purpose I/O built-in device ports. Connect the keypad to an IP network with additional control gateways interfacing with remote controlled devices, for extending control across large space facilities.
- Expandable Control System - According to arising demands, easily expands to be part of a larger control system, or coupled-operation with auxiliary keypads, via either LAN or K-NET™ single cable connection delivering both power and communication.
- Simple Control Programming - Using K-Config software. Leverage the power of Kramer's highly customizable, flexible and user-friendly software, to easily program complex control scenarios of Pro-AV, Lighting, and other room and facility controlled devices.
- Easy and Cost-effective Installation - Compactly fits into standard US, EU and UK 1-gang in-wall box size, allows decorative integration with room deployed user interfaces such as electrical switches.

KC-BRAINware-5 Hardware Platform with 5 Instances of Kramer BRAINware

KC-BRAINware-5 is a hardware platform with 5 instances of Kramer BRAINware software already installed on the device. KC-BRAINware-5 is designed to maximize the features and benefits of Kramer BRAINware for controlling up to 5 standard spaces (e.g. a standard space could include a scaler, monitor, lighting system, touch panel and keypad).

Kramer BRAINware is an enterprise-class, revolutionary, user-friendly, software application that enables you to execute all your room control actions straight from a computer without installing a physical Brain between the user interface and the controlled devices. Using the power of Kramer Control cloud-based control & space management platform, Kramer BRAINware enables you to operate multiple devices over Ethernet such as scalers, video displays, audio amplifiers, Blu-ray players, sensors, screens, shades, door locks, and lights.

Designing a system was never easier, with Kramer Control's programming free, intuitive drag & drop Builder. Install, configure and modify your control system without any prior knowledge in programming.

FEATURES

- Simplified AV Installation - Control up to 5 rooms without installing a physical Brain.
- Scalable to Your Installation - Supports controlling up to 5 standard spaces.
- Format Conversion - Use Kramer FC family of control format converters to enable controlling almost any device.
- Fully Customizable UI - Using Kramer Control, easily personalize your control interface any way you like.
- Space Controller - Controls any AV device with its corresponding logic.
- No Programming Required - Install and start using the platform in minutes with no need for programming.

KC-BRAINware-25 Hardware Platform with 25 Instances of Kramer BRAINware

KC-BRAINware-25 is a hardware platform with 25 instances of Kramer BRAINware software already installed on the device. KC-BRAINware-25 is designed to maximize the features and benefits of Kramer BRAINware for controlling up to 25 standard spaces (e.g. a standard space could include a scaler, monitor, lighting system, touch panel and keypad).

Kramer BRAINware is an enterprise-class, revolutionary, user-friendly, software application that enables you to execute all your room control actions straight from a computer without installing a physical Brain between the user interface and the controlled devices. Using the power of Kramer Control cloud-based control & space management platform, Kramer BRAINware enables you to operate multiple devices over Ethernet such as scalers, video displays, audio amplifiers, Blu-ray players, sensors, screens, shades, door locks, and lights.

Designing a system was never easier, with Kramer Control's programming free, intuitive drag & drop Builder. Install, configure and modify your control system without any prior knowledge in programming.

FEATURES

- Simplified AV Installation - Control up to 25 rooms without installing a physical Brain.
- Scalable to Your Installation - Supports controlling up to 25 standard spaces.
- Format Conversion - Use Kramer FC family of control format converters to enable controlling almost any device.
- Fully Customizable UI - Using Kramer Control, easily personalize your control interface any way you like.
- Space Controller - Controls any AV device with its corresponding logic.
- No Programming Required - Install and start using the platform in minutes with no need for programming.

KC-BRAINware-50 Hardware Platform with 50 Instances of Kramer BRAINware

KC-BRAINware-50 is a hardware platform with 50 instances of Kramer BRAINware software already installed on the device. KC-BRAINware-50 is designed to maximize the features and benefits of Kramer BRAINware for controlling up to 50 standard spaces (e.g. a standard space could include a scaler, monitor, lighting system, touch panel and keypad).

Kramer BRAINware is an enterprise-class, revolutionary, user-friendly, software application that enables you to execute all your room control actions straight from a computer without installing a physical Brain between the user interface and the controlled devices. Using the power of Kramer Control cloud-based control & space management platform, Kramer BRAINware enables you to operate multiple devices over Ethernet such as scalers, video displays, audio amplifiers, Blu-ray players, sensors, screens, shades, door locks, and lights.

Designing a system was never easier, with Kramer Control's programming free, intuitive drag & drop Builder. Install, configure and modify your control system without any prior knowledge in programming.

FEATURES

- Simplified AV Installation - Control up to 50 rooms without installing a physical Brain.
- Scalable to Your Installation - Supports controlling up to 50 standard spaces.
- Format Conversion - Use Kramer FC family of control format converters to enable controlling almost any device.
- Fully Customizable UI - Using Kramer Control, easily personalize your control interface any way you like.
- Space Controller - Controls any AV device with its corresponding logic.
- No Programming Required - Install and start using the platform in minutes with no need for programming.
- Easy Installation - 19” enclosure for rack mounting a unit in a 1U rack space with included rack ears and universal 100-240V AC power connection.

FC-18 4K HDR Display ON/OFF Controller

FC-18 is a display ON/OFF controller for 4K@60Hz (4:4:4) HDR HDMI signals. It accepts and outputs an HDMI signal after reclocking and equalizing. On detection of the onset of an input signal FC-18 sends an ON command to the display or projector and on detection of the loss of the input signal FC-18 sends an OFF command. FC-18 can also be used to control a display device manually via front panel buttons, Ethernet or closed contact switches.

FEATURES

- Save on Power Costs - Shut down display devices automatically when not in use.
- Facilitate Meeting Setups - Just plug in the AV source and the display screen or projector automatically turn on. No more searching for the power button.
- High-Performance HDMI Acceptor - Supports 4K@60Hz (4:4:4) HDR HDMI 2.0, HDCP 2.2/1.4 signals at 18G (6G per channel) data rate.
- Variety of Automatic Control Formats - Commands are sent to the display device via CEC, RS-232, or Ethernet.
- Variety of Manual Control Formats - Manually turn the display device ON and OFF via front panel button and RS-232/CEC command, Ethernet, contact closure switch.
- Data Tunneling - Supports data tunneling between the RS-232 port and the Ethernet ports.
- Easy Installation - Compact DigiTOOLS® fan-less enclosure for surface mounting or side-by-side mounting of 3 units in a 1U rack space with the recommended rack adapter.

Accessories & AV Tools

PT-12 4K60 4:2:0 HDMI Controller

PT-12 is a CEC-enabled TV/display ON/OFF controller and extended EDID processor for HDMI signals up to 4K@60Hz (4:2:0) resolution. When PT-12 detects an HDMI cable plug, it automatically turns on the connected display, and automatically shuts down the display when signal loss is detected. PT-12 is an EDID processing tool for controlling the EDID functions.

FEATURES

- Plug-and-Play Display Operation - Simplifies meeting presentation operation by automatically turning ON/OFF a CEC-enabled display when the presentation source is plugged in / unplugged with user-defined shut-down delay.
- High-Performance HDMI Controller - Supports pass-through of signals up to 4K@60Hz (4:2:0) resolution with user control on signal capabilities and functions.
- HDCP Authorization - Controlled device appearance as HDCP authorized to allow unsecured content display by all market-available computer sources.
- Video Signal Control - Controlled color depth attributes and color space forcing capabilities of passing-through video signal, along with EDID locking configuration to ensure proper video display.
- Audio Signal Control - Controlled audio-channels limitation of passing-through audio signal.
- Display Control - Display auto shut-down upon no signal detection with user-defined delay, as controlled by end-user settings.
- Simple Operation - DIP-switches available for simple controller functions by end-user.
- Cost-Effective Maintenance - Status LED indicators for HDMI ports and power facilitate easy local maintenance and troubleshooting. Local device management and firmware upgrade via mini-USB port and DIP-switches, ensure lasting, field-proven deployment.
- Easy Installation - Compact PicoTOOLS® fan-less enclosure for device-back mounting, or side-by-side mounting of 4 units in a 1U rack space with the recommended Kramer rack adapter.

Cables & Connectors

C-DP 4K DisplayPort Cable

C-DP is a high-resolution DisplayPort cable for video signals up to 4K@60Hz (4:4:4) resolution supporting DisplayPort 1.2 standard. C-DP supports an HBR2 (High Bit Rate 2) bandwidth of up to 21.6 Gbps. The cable is triple shielded for superior noise immunity.

FEATURES

- High-Performance Professional Cable - supports resolutions up to 4K@60Hz (4:4:4) and an HBR2 (High Bit Rate 2) bandwidth of up to 21.6 Gbps.
- Content Protection Support - DPCP (DisplayPort Content Protection) and HDCP 2.2.
- Daisy Chain Multiple Monitors - With MST (Multi-Stream) support.
- Secure Connections - Includes molded DisplayPort connectors with latches.
- Quality Construction - Triple shielded for superior noise immunity.
- Backward Compatibility - Compatible with DisplayPort 1.1.
- Varied Selection of Lengths - Available in versions of 0.9 to 15.0m (3 to 50ft).

CLS-ULTRAoc Active Optical 8K HDMI Cable — Low Smoke & Halogen Free

CLS-ULTRAoc is an innovative active optical HDMI cable for 8K signals (48Gbps) up to 100 meters (328 ft).

CLS-ULTRAoc is thinner, lighter and more flexible than copper or even standard optical cables. They offer transparent EDID and HDCP support with no signal attenuation and reduced risk of EMI and RFI interference. CLS-ULTRAoc is an ideal solution for maximizing signal integrity in critical AV installations.

BCP-HDKat6 CAT6 F/UTP Cable for DGKat, HDBaseT and LAN Systems - Plenum Rated

BCP-HDKat6 is a high-performance unified CAT6 Plenum rated cable that handles all Pro AV and IT signals over four overall screened twisted pairs This F/UTP CAT6 cable uses HDBaseT and Kramer's DGKat™ technology to pass video signals of up to 4K@60 (4:4:4) resolution. BCP-HDKat6 is also ideal for LAN applications.

Note: For optimum performance use the recommended Kramer RJ-45 connector.

FEATURES

- High-Performance Cable - Uses HDBaseT and Kramer's DGKat™ technology to pass video signals of up to 4K@60 (4:4:4) resolution with optimal signal performance.
- Quality Construction - 4 twisted pairs (F/UTP) of 23AWG solid copper conductors are cabled together, shielded and encased in a CMP-Plenum outer jacket.
- Optimized for Kramer Hardware - Use with any of Kramer's wide range of twisted pair digital transmitter-receiver sets.
- RJ-45 connector - BCP-HDKAT cable requires a special RJ-45 connector. Use the recommended Kramer HDKat connector - see the ACCESSORIES & RELATED PRODUCTS tab.
- Varied Lengths - Available in reel boxes of 76m (250ft), 152m (500ft), and 305m (1000ft).

C-HM/EEP High−Speed HDMI Cable with Ethernet

C-HM/EEP is a high-performance, high-speed HDMI™ cable with Ethernet and enhanced EMI protection. C-HM/EEP is specially designed to be used with Kramer products for critical installations. The unique combination of a one piece die-cast HDMI connector, internal metal shell, triple shielded construction and small, lightweight design provides unrivaled installation flexibility and robustness.

FEATURES

- High Performance Cable - Passes HDMI signal at up to 4K@60Hz (4:4:4) resolution and up to 18Gbps data rate.
- Embedded Audio - PCM 8-channel, Dolby Digital True HD and DTS-HD Master Audio.
- HDMI 2.0 Compliant - Supporting HDCP 2.2 ,HDR10, HLG, EDID and CEC.
- RoHS 2011/65/EU Compliant.
- Varied Lengths - Available in versions of 0.9 to 3.0m (3 to 10ft).

Room Connectivity

TBUS-204 Pop–up Table Connection Bus – 2 US Power Sockets & 2 USB Chargers

TBUS-204 is an elegant, furniture-mounted, pop-up connection bus that is easily installed into a table or podium top. The unit enables powering and charging devices.

FEATURES

- Convenient Powering - Includes 2 US power sockets and 2 USB charging ports.
- Simultaneously Charge Two Mobile Devices - Dual 3.6A max power USB charger enables charging 2 iPads/tablets.
- Easy Opening & Closing - Pneumatic lid opens and closes by pressing down gently on the cover.
- Elegant and Rugged Design - Sturdy and attractive anodized aluminum enclosure provides maximum connectivity in the smallest possible footprint, and at the same time is cost-effective and easy to install. When the lid is lowered, it lies flush with the table.
- Installation - Requires tools and expertise to cut a 14 3mm x 120mm (5.62in x 4.72in) rectangular hole in the surface of the furniture. Maximum table thickness is 76mm (3in).
- Available Colors - Black or silver, sand-blasted, textured top.

WU-CA USB–C Single Wall–Plate Insert

WU-CA Is a single wall plate insert with one USB type-C connector on the front and a 12cm cable with a USB type A female connector on the rear.

W-45 Wall Plate Insert – RJ–45

W-45 is an RJ-45, Ethernet wall-plate insert.

FEATURES

- Front Panel Connections - 1 RJ-45 CAT6.
- Rear Panel Connections - 1 RJ-45 CAT6.
- Standards Compliance - Permanent Link/Channel of TIA/EIA-568-B.2 Cat.6, ISO/IEC 11801, Cenelec EN 50173, IEC 60603-7, PoEP in accordance with IEEE 802.3at.
- Size - Single slot wall plate insert.
- Wall Plate Insert - Single slot.

K-POD302 Mounting Enclosure for Kramer 3–Gang Size Products

K-POD302 is a high-quality mounting enclosure especially designed for mounting 3-Gang US size products on a podium, lectern or table. The unit is sturdy, cost-effective and easy to install.

Note: Kramer RC-74DL control keypad, depicted above, not included.

FEATURES

- Enhances Room Design - Elegant enclosure houses the keypad and its cable.
- Cost-effective and Easy to Install - Drill one hole to pass the cable through the table or pass the cable through the rear opening of K-POD302 without drilling into the table.

Kramer Cable Guard Under the Table Cable Protector for TBUS

Kramer Cable Guard is a polyester bag that attaches to the underside of a TBUS and covers the cables running under the table.

FEATURES

- Protects cables running under a table.
- Flexible and durable polyester material.

T-1GD Mounting Bracket for Installing 1–Gang US–D Size Product Inside TBUS

T-1GD is a bracket for installing a Kramer 1-Gang US-D size wall plate in a TBUS. It fits into a dual power socket opening of the TBUS inner frame.

RTBUS-24 Round Table Connection Bus – 2 US Power Sockets, 2 USB Chargers & 1 HDMI Connector

RTBUS-24 is an elegant, furniture-mounted, round, pop-up connection bus that is easily installed into a table or podium top. The unit enables powering and charging devices and connecting a device to the room's presentation system through HDMI.

FEATURES

- Convenient Powering and Video - 2 US power sockets, 2 USB charging ports, and 1 HDMI connector.
- Simultaneously Charge Two Mobile Devices - Dual 3.6A max power USB charger enables charging 2 iPads/tablets.
- Easy Opening & Closing - Pneumatic lid opens and closes by pressing down gently on the cover.
- Elegant and Rugged Design - Sturdy and attractive anodized aluminum enclosure provides maximum connectivity in the smallest possible footprint, and at the same time is cost-effective and easy to install. When the lid is lowered, it lies flush with the table.
- Installation - Requires tools and expertise to cut a 111mm to 114mm (4.37in to 4.49in) round hole in the surface of the furniture. Maximum table thickness is 76mm(3in).
- Available Colors - Black or silver, sand-blasted, textured top.

KRT-3 Cable Retractor

4K

KRT-3 is a cable retractor designed for installing in a meeting room, classroom or other AV site. KRT-3 extends a variety of common AV connector types and is easy to install and use.

FEATURES

- Provides Convenient and Easy-to-Use Connecting - Pull the cable to extend up to 1.8m (5.9ft) from the installation site. The cable automatically locks in position to the desired length. When finished, pull the cable again to retract it into the housing.
- Simple and Flexible Installation Options - Install in compatible Kramer TBUS models or attach directly to the underside of a table with a few screws.
- Available in Most Common AV Connector Types - HDMI, VGA, audio (3.5mm), LAN, USB, and DisplayPort.

Software

Kramer KronoMeet Cloud-Based Room Scheduling and Meeting Management Application

Kramer KronoMeet is an enterprise class, user-friendly, cloud-based, room scheduling and management platform for use with video displays and touch screen devices. It streamlines and automates the management side of room bookings and provides live notifications to meeting participants. Kramer KronoMeet is designed to work seamlessly with other Kramer management software and Kramer AV products enabling you to sync your room management with your AV management and deployment.

FEATURES

- Enterprise Class Comprehensive Room Scheduling, and Management - Empower your staff and guests with intuitive room scheduling, live on-site and remote notifications, and easy meeting search for employees and guests. Fully integrated with scheduling platforms like Office 365® and G Suite®.
- Fully Customizable and Scalable - Kramer KronoMeet is scalable to your needs, from a small business with a few meeting rooms to a large corporation.
- Convenient Scheduling Displays - Display meeting schedules on tablets at the entrance to each room.
- Enhanced Security - Network access control via 802.1x. TLS layer encryption for all communication between the display tablet and Kramer KronoMeet.
- On-Screen Information Inside the Meeting Room - Integration with VIA collaboration devices enables automatic reminders on the main display when the meeting is nearly over and another meeting will be starting.
- User-Friendly and Easy to Install.
- Coming Soon: Meeting Space Activity Analytics - For asset managers to analyze meeting space availability, utilization figures, meeting attendance and equipment usage.

Solutions

KR-1000 Wireless Meeting Space I 1–4 participants

KR-1000 is a Kramer@Work meeting space solution for wireless meeting spaces. It includes the AV products you need to set up your meeting space and turns any shared common area into a constructive huddle space.

Solution includes 1 x 3ft (0.9m) HDMI cable, and 2 x 10ft (3m) CAT5E cables.

INCLUDED PRODUCTS

- C-HM/HM - High -Speed HDMI Cable
- PC5E-1 - CAT5E UTP 100MHz CM 4x2x24AWG Patch Cord
- VIA GO - Wireless Presentation Solution
- VIAcast - Miracast Enabled USB Dongle for VIA Devices

KR-2000 4K Wired Meeting Space I 1–4 participants

KR-2000 is a Kramer@Work meeting space solution for 4K wired meeting spaces. It includes the AV products you need to set up your meeting space and features crystal clear 4K clarity for communicating the tiniest of details. Add to that the instantaneous ease of wired connections and awesome power of room automation for a winning presentation combination.

Solution includes 1 x black TBUS, 2 x universal power sockets, 1 x 3ft (0.9m) HDMI cable, 1 x 10ft (3m) HDMI cable, 1 x 10ft (3m) CAT5E cable, and 1 x 3ft (0.9m) USB cable.

INCLUDED PRODUCTS

- C-AC/POWERCORD - TBUS AC Power Cords
- C-HM/HM - High -Speed HDMI Cable
- C-MHM/MHM - Flexible High -Speed HDMI Cable with Ethernet
- C-USB/AA - USB 2.0 A (M) to A (M) Cable
- DIP-31 - 4K60 4:2:0 HDMI & VGA Auto Switcher with Maestro Room Automation
- PC5E-1 - CAT5E UTP 100MHz CM 4x2x24AWG Patch Cord
- T10F - TBUS -10xl Inner Frames
- TBUS-10xl - Table Mount Modular Multi -Connection Solution - Manually Retracting Lid
- TS-Power-Socket - TBUS Power Socket Modules
- WU-AA - Wall Plate Insert - USB (A/A)

KR-3000 Wired & Wireless Meeting Space I 1–4 participants

KR-3000 is a Kramer@Work meeting space solution for wired & wireless meeting spaces. Unleash your meeting potential with this simultaneous wired and wireless presentation and collaboration environment. KR-3000 equips your entire team with a suite of powerful time saving tools helping you get the most out of every minute of your meeting.

Solution includes 1 x 3ft (0.9m) HDMI cable, 1 x 10ft (3m) HDMI cable, and 2 x 10ft (3m) CAT5E cables.

INCLUDED PRODUCTS

- C-HM/HM - High -Speed HDMI Cable
- PC5E-1 - CAT5E UTP 100MHz CM 4x2x24AWG Patch Cord
- VIA Connect PLUS - Simultaneous Wired and Wireless Presentation and Collaboration Solution
- VIAcast - Miracast Enabled USB Dongle for VIA Devices

KR-4000 Wireless Meeting Space I 4–8 participants

KR-4000 is a Kramer@Work meeting space solution for 4K small to medium meeting rooms. It includes the AV products you need to set up your meeting space and provides wired and wireless BYOD connectivity options along with time saving zero-touch room automation. Easy in-table cable connections keep your meetings clean and clutter free.

Solution includes 1 x black TBUS, 1 x 3ft (0.9m) HDMI cable, 1 x 10ft (3m) CAT6A cable, 1 x 10ft (3m) CAT5E cable, and 1 x 3ft (0.9m) USB cable.

INCLUDED PRODUCTS

- C-AC/POWERCORD - TBUS AC Power Cords
- C-HM/HM - High -Speed HDMI Cable
- C-UNIKAT - CAT6A U/FTP Video & LAN Cable Assembly
- C-USB/AA - USB 2.0 A (M) to A (M) Cable
- DIP-20 - 4K60 4:2:0 HDMI & VGA Auto Switcher and PoE Provider over HDBaseT with Maestro Room Automation
- PC5E-1 - CAT5E UTP 100MHz CM 4x2x24AWG Patch Cord
- T10F - TBUS -10xl Inner Frames
- TBUS-10xl - Table Mount Modular Multi -Connection Solution - Manually Retracting Lid
- TS-Power-Socket - TBUS Power Socket Modules
- VIA GO - Wireless Presentation Solution
- VIAcast - Miracast Enabled USB Dongle for VIA Devices
- WU-AA - Wall Plate Insert - USB (A/A)

KR-5000 Medium to Large Meeting Room I 6–12 participants

KR-5000 is a Kramer@Work meeting space solution for medium to large meeting rooms. An elegant in-table auto switcher, intuitive touch panel and complete wired and wireless connectivity all come together culminating in endless presentation & collaboration possibilities with powerful control options.

Solution includes 1 x black TBUS, 1 x 3ft (0.9m) and 1 x 10ft (3m) HDMI cables, 1 x 15ft (4.6m) CAT5E cable.

INCLUDED PRODUCTS

C-AC/POWERCORD - TBUS AC Power Cords

- C-HM/HM - High -Speed HDMI Cable
- DIP-31 - 4K60 4:2:0 HDMI & VGA Auto Switcher with Maestro Room Automation
- Kramer BRAINware - Ethernet Master / Room Controller Software
- KT-107 - 7 -Inch Wall & Table Mount PoE Touch Panel
- PC5E-1 - CAT5E UTP 100MHz CM 4x2x24AWG Patch Cord
- T10F - TBUS -10xl Inner Frames
- TBUS-10xl - Table Mount Modular Multi -Connection Solution -- Manually Retracting Lid
- TS-Power-Socket - TBUS Power Socket Modules
- VIA Connect PLUS - Simultaneous Wired and Wireless Presentation and Collaboration Solution
- VIAcast - Miracast Enabled USB Dongle for VIA Devices

KR-6000 4K Large Meeting Room I 12+ participants

KR-6000 is a Kramer@Work meeting space solution for 4K large meeting rooms. It includes the AV products you need to set up your meeting space, providing the right balance of easy instant connections and intuitive control to ensure all participants can get straight to the business at hand.

Solution includes 2 x black TBUSes, 4 x universal power sockets, 6 x 15ft (4.6m) CAT5E cables, 1 x 6ft (1.8m) USB cable, 1 x 25ft (7.6m) CAT6A cable, 3 x 3ft (0.9m) and 2 x 10ft (3m) HDMI cables, 1 x 10ft (3m) audio cable, 1 x pair of white speakers.

INCLUDED PRODUCTS

- C-A35M/A35M - 3.5mm Stereo Audio Cable
- C-AC/POWERCORD - TBUS AC Power Cords
- C-HM/HM - High -Speed HDMI Cable
- C-MHM/MHM - Flexible High -Speed HDMI Cable with Ethernet
- C-UNIKAT - CAT6A U/FTP Video & LAN Cable Assembly
- C-USB/AA - USB 2.0 A (M) to A (M) Cable
- DIP-20 - 4K60 4:2:0 HDMI & VGA Auto Switcher and PoE Provider over HDBaseT with Maestro Room Automation
- DIP-31 - 4K60 4:2:0 HDMI & VGA Auto Switcher with Maestro Room Automation
- Kramer BRAINware - Ethernet Master / Room Controller Software
- KT-107 - 7 -Inch Wall & Table Mount PoE Touch Panel
- PC5E-1 - CAT5E UTP 100MHz CM 4x2x24AWG Patch Cord
- T10F - TBUS -10xl Inner Frames
- Tavor 5-O - 5.25 -Inch, On -Wall 2 -Way Powered Speakers
- TBUS-10xl - Table Mount Modular Multi -Connection Solution -- Manually Retracting Lid
- TS-Power-Socket - TBUS Power Socket Modules
- VIA Connect PLUS - Simultaneous Wired and Wireless Presentation and Collaboration Solution
- VIAcast - Miracast Enabled USB Dongle for VIA Devices
- VP-440H2 - Compact 5 -Input 4K60 4:4:4 Presentation Switcher/Scaler with HDBaseT & HDMI Simultaneous Outputs
- WU-AA - Wall Plate Insert - USB (A/A)

KR-7000 4K Presentation Conference Room I 16+ participants

KR-7000 is a Kramer@Work meeting space solution for 4K presentation conference rooms. The ultimate conference room solution for those all-hands-on-deck meetings. When the room is full, the pressure is on and there's no room for error, KR-7000 delivers top-tier wired and wireless presentation and collaboration features and unmatched audio experience.

Solution includes 4 x black TBUSes, 8 x universal power sockets, 9 x 15ft (4.6m) CAT5E cables, 4 x 33ft (10m) and 1 x 3.3ft (1m) CAT6A cables, 10 x 3ft (0.9m) and 1 x 10ft (3m) HDMI cables, 1 x 6ft (1.8m) USB cable, 1 x 49ft (15m) speaker cable, and 1 x 5.9ft (1.8m) audio & RS-232 cable.

INCLUDED PRODUCTS

- BC-2T - Stereo Audio/Control Bulk Cable
- C-AC/POWERCORD - TBUS AC Power Cords
- C-HM/HM - High -Speed HDMI Cable
- C-MHM/MHM - Flexible High -Speed HDMI Cable with Ethernet
- CP-UNIKAT - CAT6A U/FTP Video & LAN Cable Assemblies -- Plenum Rated
- C-USB/AA - USB 2.0 A (M) to A (M) Cable
- DIP-31 - 4K60 4:2:0 HDMI & VGA Auto Switcher with Maestro Room Automation
- FC-6 - 2 -Port Multi -Function Serial/IR Control Gateway
- KDS-DEC6 - 4K60 4:2:0 HDCP 2.2 Video Decoder
- KDS-EN6 - 4K60 4:2:0 HDCP 2.2 Video Encoder
- Kramer BRAINware - Ethernet Master / Room Controller Software
- KT-107 - 7 -Inch Wall & Table Mount PoE Touch Panel
- PA-120Z - 120W Power Amplifier
- PC5E-1 - CAT5E UTP 100MHz CM 4x2x24AWG Patch Cord
- PC6A-LS5 - CAT6A S/FTP 500MHz 4x2x26AWG Patch Cord -- Low Smoke & Halogen Free
- T10F - TBUS -10xl Inner Frames
- TBUS-10xl - Table Mount Modular Multi -Connection Solution -- Manually Retracting Lid
- TS-Power-Socket - TBUS Power Socket Modules
- VIA Connect PLUS - Simultaneous Wired and Wireless Presentation and Collaboration Solution
- VIAcast - Miracast Enabled USB Dongle for VIA Devices
- VS-211UHD - 2x1 4K60 4:2:0 HDMI Auto Switcher with Audio
- WU-AA - Wall Plate Insert -- USB (A/A)
- Yarden 8-T - 8 -Inch, High -Performance, Ceiling Tile Stereo Speaker

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