# **Sarix<sup>®</sup> IWP Series Vandal Resistant Wedge** UP TO 2 MEGAPIXEL, H.264, DAY/NIGHT IP DOMES

## **Product Features**

- Up to 2 megapixel (MPx) resolution
- Up to 30 images per second (ips) at 2 MPx
- Up to 64 GB edge storage with Micro SD Card
- · Motion detection and camera sabotage detection
- Operating temperature from -10° to 55°C (14° to 131°F)
- Power over Ethernet (PoE)
- Vandal resistant to IK10
- IP66 ingress protection
- · Compatible with Pelco and third-party video systems
- ONVIF Profile S and Profile G conformant
- Full 3-year warranty and support

## **Sarix Professional Range**

Powerful, versatile, and affordable, the **Sarix® Professional (P)** range cameras pack the most popular features and functionality of Sarix technology into a wide range of indoor and outdoor options, including bullet cameras and mini domes. There are also options such as a vandal resistant wedge and micro dome. Mix and match the performance options and form factor you need for almost any lighting condition, environment, and application.

#### **Camera**

Within the **Sarix Professional** range, the **Sarix IWP Series** vandal resistant wedge cameras feature a fixed 2.8 mm lens for surveillance needs in tight spaces. Additionally, the **Sarix IWP Series** features advanced color science and a mechanical IR cut filter for increased sensitivity in low-light installations.

## Video

**Sarix Professional** range cameras support up to two simultaneous video streams and a third service stream. The two streams can be compressed with efficient H.264 High or Main profiles or MJPEG formats. The streams can be configured to a variety of frame rates and variable bit rates to optimize image quality with bandwidth and storage efficiency.



## **Edge Storage**

**Sarix Professional** range cameras feature onboard edge storage with a micro SD card. Video clips of varying lengths can be stored to the card upon alarm, or video can be written continuously to the SD card in the case of network outage. Video can be retrieved from the card through the FTP protocol or by using an ONVIF Profile G enabled client.

**Sarix Professional** range cameras feature a simple motion detection algorithm that allows the camera to record or send an alarm when there is motion detected in a selected zone or within the entire scene. A camera sabotage alarm is triggered if the lens is obstructed or when the camera is repositioned.

## **Open and Integrated**

Sarix Professional range cameras seamlessly connect to Pelco video management systems such as VideoXpert<sup>™</sup>, Endura<sup>®</sup> version 2.0 (or later), and Digital Sentry<sup>®</sup> version 7.3 (or later). Sarix **Professional** range cameras integrate with major third-party systems through the open Pelco API or the ONVIF Profile S and Profile G standards.

## **Standard Web Interface**

Pelco cameras use a standard Web browser interface for easy remote setup and administration. Controls are optimized for convenient one-step camera configuration for features including color, exposure, flicker control, and streaming.



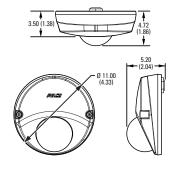




## **BACK BOX FEATURES**

W VALUES IN PARENTHESES ARE INCHES; ALL OTHERS ARE CENTIMETERS.





#### Surface Mount

- White, RAL 9003
- IP66 Ingress Protection
- IK10 (20J) Impact Resistance

## **CAMERA**

### Imaging Device

Imager Type
Imager Readout
Electronic Shutter Range

Wide Dynamic Range White Balance Range Noise Reduction

Minimum Illumination

MPx	Sensor	Maximum Resoluti	on
2 MPx	1/2.8-inch	1920 x 1080 (2 MPx	)
1 MPx	1/3-inch	1280 x 960 (1.2 MP)	()
CMOS			
Progressive sc	an		
1/5 ~ 1/30,000	) sec (1 MPx),		
1/5 ~ 1/25,000	) sec (2 MPx)		
75 db			
2,000° to 10,0	00°K		
Yes (ON/OFF s	electable)		
		Color	Mone

MPx	Sensitivity	Color		Mono	
IVIT X	Sensitivity	33 ms	200 ms	33 ms	200 ms
2 MPx	f/1.8	0.25 lux	0.02 lux	0.10 lux	0.01 lux
1 MPx	f/1.8	0.05 lux	0.02 lux	0.10 lux	0.01 lux

Mechanical IR Cut Filter Signal to Noise Ratio

#### LENS

Lens Type Focal Length

Field of View\*

Yes (AUTO/MANUAL selectable), with different set points on lux	
≥50 dB	

Built-in; fixed f/1.8, 2.8 mm

Lens	Angle of View	1 MPx	2 MPx
	Diagonal	128°	132.8°
2.8 mm	Horizontal	98°	115.1°
	Vertical	73.5°	64°

\*Field of view may vary with changes in resolution settings.

## **TECHNICAL SPECIFICATIONS**

## **VIDEO**

Video Streams Video Overlay

Available Resolutions

Up to 2 simultaneous streams, plus service stream; the secondary stream is variable based on the setup of the primary stream Camera name, time, date, and customizable text with multiple supported languages

MPx	Width	Height	Aspect Ratio
2.1	1920	1080	16:9
1.9	1600	1200	4:3
1.2	1280	960	4:3
0.9	1280	720	16:9
0.5	800	600	4:3
0.3	640	480	4:3
0.1	320	240	4:3
0.1	320	180	16:9

#### Frame Rates

MPx	Images per Second (ips)
2 MPx	30 (full), 20, 25, 16.67, 15, 12.5, 10, 5, 1
	30 (full), 20, 25, 16.67, 15, 12.5, 10, 5, 1

Constant bit rate (CBR), constrained variable bit rate (CVBR) with configurable maximum value

H.264 High, Main, and Baseline profiles; and MJPEG

640 x 480 or 640 x 352; 2 ips, JPEG

4 configurable windows

G.711 A-law/G.711 U-law

PoE (IEEE 802.3af) Class 2

RJ-45 connector for 100Base-TX

4 W (1.2 MPx), 4.3W (2 MPx)

Up to 64 GB on Micro SDHC or SDXC card

Dual-channel

Line in and out

Electronic image flip and mirror: 180°, 90° and 270° (H.264 only)

Note: Available frame rates are selectable for each independent stream depending on the coding, resolution, and stream configuration.

Video Encoding Bit Rate Control Corridor Mode Service Stream Window Blanking

## **AUDIO**

Streaming Input Encoding

## **ELECTRICAL**

Network Port Power Input Power Consumption Local Storage

## **ENVIRONMENTAL**

Operating Temperature Storage Temperature Operating Humidity –10° to 55°C (14° to 131°F)\* –40° to 60°C (–40° to 140°F)

Operating Humidity 5% to 90%, RH noncondensing \*Thermostatically controlled heating provides ramped heating control between the initial heater as at 15% (F0%) and full heating mode at

between the initial heater on at 15° C (59°F) and full heating mode at  $-40^\circ\text{C}$  (–40°F).

## GENERAL

Construction Ingress Protection

Vandal Resistance Finish Pan/Tilt Adjustment Pan Tilt Rotate Unit Weight Shipping Weight Metal body; polycarbonate bubble IP66 Type 4X IK10 (20J impact) per IEC 62262 White, RAL 9003; satin texture Manual 20° 110° 360° 0.61 kg (1.34 lb) 0.81 kg (1.79 lb)

## **NETWORK**

Supported Protocols

Users Unicast Multicast Security Access TCP/IP, UDP/IP (unicast, multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28181

1 administrator, up to 4 viewers Unlimited users H.264 Multiple user access levels with password protection

## **SYSTEM MODEL NUMBERS\***

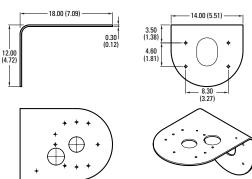
Resolutio	on Lens	<b>Model Number</b>	Description
1 MPx	2.8 mm	IWP121-1ES	Sarix Pro Vandal Resistant Wedge Dome
2 MPx	2.8 mm	IWP221-1ES	Sarix Pro Vandal Resistant Wedge Dome

\*System options contain a back box/mount, camera, and clear dome.

## **INTEGRATION**

Video Management	VideoXpert;
	Endura version 2.0 (or later);
	Digital Sentry 7.3 (or later); Third-party VMS through Pelco API, ONVIF Profile S, and ONVIF Profile G
Mobile Application	Pelco Mobile
Analytics	Simple motion detection and camera sabotage detection
Local Storage	Capture 1-, 5- or 10-second video clips on camera sabotage, motion detection, or alarm input; record video continuously in the case of network outage with option to overwrite; access video through FTP protocol and ONVIF Profile G
Camera Discovery	
and Firmware	Discover cameras upgrade firmware upgrade using the Pelco Device Utility 2 version 2.2 or later; or Pelco Utilities
Web Browser Support	Microsoft® Internet Explorer® 9.0, Apple® Safari® 7.0.6, Mozilla® Firefox® 31.0, Google® Chrome™ 37.0.2062.124 m and later
Multilingual User Interface	English, French, German, Italian, Portuguese, Arabic, Russian, Spanish, Turkish, Korean, Simplified Chinese

#### **IMPPMB-1I WALL MOUNT BRACKET**



#### **CERTIFICATIONS\***

- CE EN 55022 (Class A), EN 50130-4, EN 60950-1
- FCC (Class A) 47 CFR Part 15
- UL and cUL Listed UL 60950-1, CAN/CSA-C22.2 No. 60950-1-07
- UL/IEC 60950-22
- ICES-003 (Class A)
- RCM
- KC
- ONVIF Profile S and Profile G conformant

\*At the time of this publication, certifications are pending. Consult the factory or www.pelco.com for the current status of certifications.

## **RECOMMENDED MOUNTS**

IMPPMB-11

Indoor dome wall bracket for indoor models (requires IMPEBAP adapter)

## **OPTIONAL ACCESSORIES**

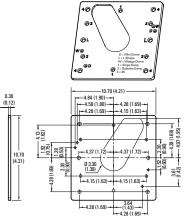
4S electrical box adapter

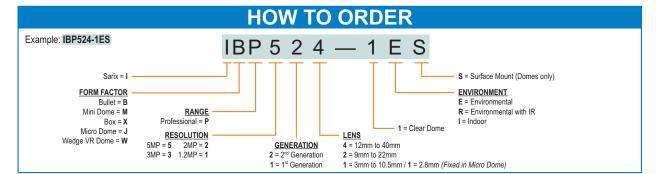


IMPEBAP

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#### IMPEBAP BOX ADAPTER





#### **Pelco by Schneider Electric**

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