# Sarix® IMP Indoor and Environmental Mini Domes UP TO 5 MEGAPIXEL, H.264, IR, DAY/NIGHT IP DOMES

# **Product Features**

- Up to 5 megapixel (MPx) resolution
- Up to 30 images per second (ips) at 3 MPx
- · Autofocus motorized remote zoom lens
- Integrated adaptive IR illumination (environmental IR models)
- Operating temperature up to 55°C (131°F)
- Up to 64 GB edge storage with Micro SD card
- Motion detection and camera sabotage detection
- Power over Ethernet (PoE+) Class 4, 24 VAC (environmental models)
- All models vandal resistant to IK10
- PoE, Class 3, 24 VAC, 12 VDC (indoor models)
- Compatible with Pelco and third-party video systems
- ONVIF Profile S, Profile G, and Profile Q 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 indoor-only 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 IMP Series** mini dome cameras feature a remote zoom lens for wide angle or long range surveillance needs. Autofocus capability ensures the camera can be automatically refocused when needed. Additionally, the **Sarix IMP 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™, Endura® version 2.0 (or later), and Digital Sentry® 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, Profile G, and Profile Q 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.





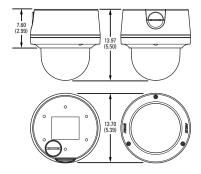


# **BACK BOX FEATURES**



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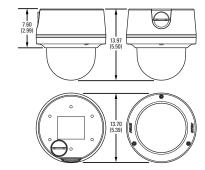




#### **Indoor Surface Mount**

- Plastic body and trim ring; polycarbonate bubble
- White, RAL 9003
- IK10 (20J) Impact Resistance
- PoE, Class 3, 24 VAC, 12 VDC

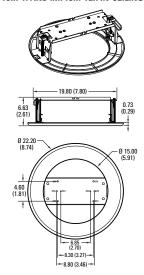




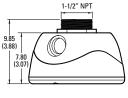
# **Environmental Surface Mount**

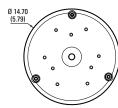
- Aluminum body and trim ring; polycarbonate bubble
- RAL 7047
- IP66 Ingress Protection
- Type 4X
- IK10 (20J) Impact Resistance
- 24 VAC and PoE+ Class 4 only

# IMPICM-11 AND IMPICM-1ER IN-CEILING MOUNT

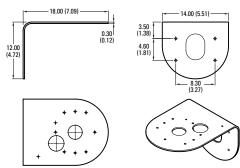


## IMPPM-1I AND IMPPM-1ER PENDANT ADAPTER





# IMPPMB-1I WALL MOUNT BRACKET



# **CAMERA**

Imaging Device

MPx	Sensor	Maximum Resolution
5 MPx	1/1.8-inch	2592 x 1944 (5.0 MPx)
3 MPx	1/2.8-inch	2048 x 1536 (3.1 MPx)
2 MPx	1/2.8-inch	1920 x 1080 (2.1 MPx)
1 MPx	1/3-inch	1280 x 960 (1.3 MPx)

Imager TypeCMOSImager ReadoutProgressive scan

Electronic Shutter Range  $1/5 \sim 1/30,000 \; sec \; (1 \; and \; 5 \; MPx), \\ 1/5 \sim 1/25,000 \; sec \; (2 \; MPx), \\ 1/5 \sim 1/45,000 \; sec \; (3 \; MPx)$ 

Wide Dynamic Range 75 db

White Balance Range 2,000° to 10,000°K
3D Noise Reduction Yes (ON/OFF selectable)

Minimum Illumination

MPx	Sensitivity	Color		Mono		
		33 ms	200 ms	33 ms	200 ms	Mono (IR on)
5 MPx	f/1.2	0.30 lux	0.03 lux	0.10 lux	0.02 lux	0.00 lux
3 MPx	f/1.2	0.25 lux	0.03 lux	0.10 lux	0.02 lux	0.00 lux
2 MPx	f/1.2	0.25 lux	0.03 lux	0.10 lux	0.02 lux	0.00 lux
1 MPx	f/1.4	0.05 lux	0.03 lux	0.10 lux	0.02 lux	0.00 lux

Mechanical IR Cut Filter Yes (A

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

IR Illumination Adaptive IR up to 25 m; auto ON in night mode, or off

Signal to Noise Ratio ≥50 dB

**LENS** 

 $\begin{array}{lll} \text{Lens Type} & \text{Built-in; varifocal} \\ \text{Focal Length} & \text{f/1.4, 3} \sim 10.5 \text{ mm} \\ \text{Focus} & \text{Autofocus, motorized} \end{array}$ 

Zoom Remote Auto Iris Type DC drive Iens

Field of View\*

Lens	Angle of View	1 MPx	2 MPx	3 MPx	5 MPx
3 to 10.5 mm	Diagonal	110°~ 33°	116°~ 35°	115°~ 34°	110°~ 46°
	Horizontal	85°~ 27°	100°~ 31°	88°~ 30°	88°~ 37°
	Vertical	62°~ 19°	54°~ 17°	52°~ 16°	64°~ 27°

<sup>\*</sup>Field of view may vary with changes in resolution settings.

# **VIDEO**

Video Streams Video Overlay 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

Available Resolutions

MPx	Width	Height	Aspect Ratio
5.0	2592	1944	4:3
3.1	2048	1536	4:3
2.1	1920	1080	16:9
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)		
5 MPx	15, 12.5, 10, 7.5, 5, 3, 2, 1		
3 MPx	30, 25, 20, 16.67, 15, 12.5, 10, 7.5, 5, 3,2, 1		
2 MPx	30, 25, 20, 16.67, 15, 12.5, 10, 7.5, 5, 3, 2, 1		
1 MPx	30, 25, 20, 16.67, 15, 12.5, 10, 7.5, 5, 3, 2, 1		

 $\textbf{Note} : A vailable frame \ rates \ are \ selectable \ for \ each \ independent \ stream \ depending \ on \ the \ coding, \ resolution, \ and \ stream \ depending \ depending$ 

onfiguration

Video Encoding H.264 High or Main profiles; and MJPEG

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

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

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

Window Blanking 8 configurable windows

## **AUDIO**

Streaming

Bi-directional

Input Line in and out

Encoding

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

## **ELECTRICAL**

Network Port RJ-45 connector for 100Base-TX Power Input PoE+ Class 4 or 24 VAC (Environmental), PoE Class 3, 24 VAC nominal, 18 to 32 VAC

range, 12 VDC (Indoor)

**Power Consumption** 

Indoor <6 W

Outdoor <16 W (with heater ring)

Local Storage Up to 64 GB on Micro SDHC or SDXC card

Alarm

Input

1: PhotoMOS™ relay (30 V. 1 A) Output Unsupervised mode that detects switch Triggers

closures (N.O. and N.C.)

#### **ENVIRONMENTAL**

Operating Temperature

Outdoor -40° to 55°C (-40° to 131°F)\* Indoor -10° to 55°C (14° to 131°F) Storage Temperature -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 on at 15° C (59°F) and full heating mode at

-40°C (-40°F).

#### **GENERAL**

Construction Aluminum body and trim ring (environmental);

plastic body and trim ring (indoor); polycarbonate bubble (indoor and

environmental)

Finish

Indoor White, RAL 9003 **RAL 7047** Outdoor Pan/Tilt Adjustment Manual 370° Pan 90° Tilt 355° Rotate

IndoorOutdoor

Unit Weight.80 kg (1.76 lb)1.40 kg (3.09 lb)

Shipping Weight 1.20 kg (2.66 lb) 1.80 kg (3.97 lb)

## **NETWORK**

TCP/IP, UDP/IP (unicast, multicast IGMP), Supported Protocols

ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28181

Users

Unicast 1 administrator, up to 4 viewers

Multicast Unlimited users H.264

Multiple user access levels with password Security Access

protection

#### **INTEGRATION**

Video Management VideoXpert;

> Endura 2.0 (or later); Digital Sentry 7.3 (or later);

Third-party VMS through Pelco API, ONVIF

Profile S, Profile G, and Profile Q

Mobile Application Pelco Mobile

Simple motion detection and camera Analytics

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

Multilingual User Interface

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

English, French, German, Italian, Portuguese, Arabic, Russian, Spanish, Turkish, Korean,

Simplified Chinese

## **SYSTEM MODEL NUMBERS\***

Back Box	Resolution	Lens	Model Number	Description
	1 MPx	3 to 10.5 mm	IMP121-1ES	Sarix Pro Environmental Dome
	1 MPx	3 to 10.5 mm	IMP121-1IS	Sarix Pro Indoor Dome
	1 MPx	3 to 10.5 mm	IMP121-1RS	Sarix Pro Environment IR Dome
	2 MPx	3 to 10.5 mm	IMP221-1ES	Sarix Pro Environmental Dome
Surface	2 MPx	3 to 10.5 mm	IMP221-1IS	Sarix Pro Indoor Dome
	2 MPx	3 to 10.5mm	IMP221-1RS	Sarix Pro Environment IR Dome
	3 MPx	3 to 10.5 mm	IMP321-1ES	Sarix Pro Environmental Dome
	3 MPx	3 to 10.5 mm	IMP321-1IS	Sarix Pro Indoor Dome
	3 MPx	3 to 10.5 mm	IMP321-1RS	Sarix Pro Environment IR Dome
	5 MPx	3 to 10.5 mm	IMP521-1ES	Sarix Pro Environmental Dome
	5 MPx	3 to 10.5 mm	IMP521-1IS	Sarix Pro Indoor Dome
	5 MPx	3 to 10.5 mm	IMP521-1RS	Sarix Pro Environment IR Dome

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

# **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, Profile G, and Profile Q 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**

IMPICM-11 In-ceiling mount, for use with the indoor models IMPICM-1ER In-ceiling mount, for use with the environmental

models

 IMPPM-11
 Pendant adapter, for indoor models

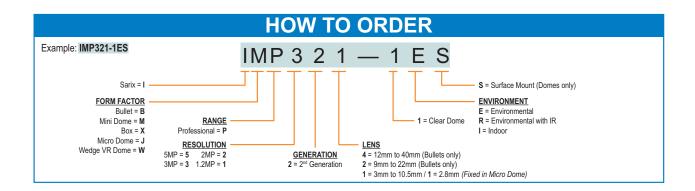
 IMPPM-1ER
 Pendant adapter, for environmental models

 IMPPMB-1I
 Wall mount bracket for indoor models

WMVE-SR Wall mount arm, 1.5 in. NPT, outdoor, RAL 7047 WMVE-SW Wall mount arm, 1.5 in. NPT, indoor, RAL 9003

# **OPTIONAL ACCESSORIES**

IMPEBAP 4S electrical box adapter
IMPLD2-0I Smoked lower dome (indoor)
IMPLD2-0ER Smoked lower dome (environmental)



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