Sarix® IM10 Series IP Mini Indoor Fixed Dome
1.3 MEGAPIXEL HIGH DEFINITION INTEGRATED CAMERA

Product Features

- Up to 1.3 Megapixel Resolution (1280 x 1024)
- Up to 30 Images per Second (ips) at 1280 x 720
- Compact Size with 3-inch Bubble
- Auto Focus Varifocal 2.8 ~ 10 mm Megapixel Lens
- Easy Installation
- H.264 and MJPEG Compression
- Sensitivity Down to 0.12 lux
- Line-in Audio and Built-in Microphone
- Power over Ethernet (PoE), IEEE 802.3af
- Video Setup Jack Accessible with Dome Installed
- Up to 2 Simultaneous Video Streams
- Electronic PTZ Through the Web Browser
- Open IP Standards
- Adaptive Motion Detection
- ONVIF v1.02 conformant

The **Sarix® IM10 Series** is a 1.3 megapixel (MPx) network indoor fixed dome camera designed with industry-leading image quality and high performance processing power. From back box wiring to focusing the lens, the **IM10 Series** is designed to install quickly and easily.

Sarix technology defines the next generation of video security imaging performance, delivering high definition (HD) resolution, advanced low-light capabilities, consistent color science, and fast processing power. The H.264 compression video files are considerably smaller, making HD video more affordable.

Fixed Dome Camera

The **IM10 Series** contains an integrated varifocal 2.8 ~ 10 mm megapixel lens. All models include a camera in a compact indoor enclosure that is ready to install.

The **IM10 Series** supports two simultaneous video streams. The two streams can be compressed in MJPEG and H.264 formats across several resolution configurations. The streams can be configured in a variety of frame rates, bit rates, and group of pictures (GOP) structures for additional bandwidth administration.

Built-In Analytics

The **Pelco Camera Sabotage** and **Adaptive Motion Detection** behaviors are standard features of the IM10 Series. **Camera Sabotage** detects contrast changes in the field of view. An alarm is triggered if the lens is obstructed with spray paint, a cloth, or covered

with a lens cap. **Adaptive Motion Detection** tracks objects that enter the field of view and triggers an alarm when an object enters a user-defined zone.

Web Interface

The **IM10 Series** uses a standard Web browser for powerful remote setup and administration.

Window Blanking

Window blanking is used to conceal user-defined privacy areas that cannot be viewed by an operator. The **IM10 Series** supports up to four blanked windows. A blanked area will appear on the screen as a solid gray window.

Video Systemization

The **IM10 Series** easily connects to Pelco IP and hybrid systems such as Endura® version 2.0 (or later) and Digital Sentry® version 4.3 (or later). The camera is also compatible with Digital Sentry NVs (DS NVs), a full-featured video management software, which is available as a free download at *www.pelco.com*. DS NVs includes four free Pelco IP licenses and allows for the management of video from up to 64 cameras.

The **IM10 Series** features open architecture connectivity to third-party software. Pelco offers an application programming interface (API) and software developer's kit (SDK) for interfacing with Pelco's IP cameras.

PELCO
by Schneider Electric

TECHNICAL SPECIFICATIONS

GENERAL

Imaging Device	1/3-inch (effective)
Imager Type	CMOS
Imager Readout	Progressive scan
Maximum Resolution	1280 x 1024
Signal-to-Noise Ratio	50 dB
Auto Iris Lens Type	DC drive
Electronic Shutter Range	1 ~ 1/100,000 sec
Wide Dynamic Range	60 dB
White Balance Range	2,000° to 10,000°K
Sensitivity	f/1.3; 2,850°K; SNR >24 dB
Color (1x/33 ms)	0.5 lux
Color SENS (15x/500 ms)	0.12 lux
Dome Attenuation	
Clear	Zero light loss
Smoked	f/1.0 light loss
Construction	
Back-box	Cast aluminum and polycarbonate plastic
Trim ring	Polycarbonate plastic
Bubble	Acrylic plastic
Finish	White/Black
Weight	
Unit	0.35 kg (0.77 lb)
Shipping	0.91 kg (2.00 lb)
Available Languages	Chinese, English, French, German, Italian, Portuguese, Russian, Spanish, and Turkish

ELECTRICAL

Port	RJ-45 connector for 100Base-TX Auto MDI/MDI-X
Cable Type	Cat5 or better for 100Base-TX
Power Input	PoE (IEEE 802.3af class 2)
Power Consumption	<6 W
Current Consumption	
PoE	<200 mA maximum
Service Port	External 3-connector, 2.5 mm provides NTSC/PAL video output
Accessory Port	Connects Pelco accessories
Audio	
Streaming	Bidirectional: full or half duplex
Input/Output	Line level/external microphone input; 600-ohm differential, 1 Vp-p max signal level; built-in microphone
Compression	G.711 PCM 8 bit, 8 kHz mono at 64 kbit/s

MECHANICAL

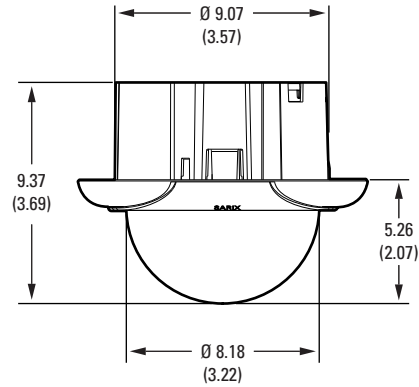|	
Pan/Tilt Adjustment	Manual
Pan	355°
Tilt	180°
Rotate	220°

ENVIRONMENTAL

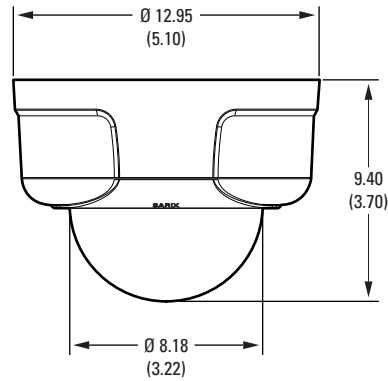|	
Operational Temperature	0° to 50°C (32° to 122°F)
Operational Humidity	20% to 80%, noncondensing

NOTE: VALUES IN PARENTHESES ARE INCHES; ALL OTHERS ARE CENTIMETERS.

IN-CEILING

SURFACE MOUNT
(Mounting Ring Included)

COMPACT SIZE. EASY TO INSTALL.

VIDEO

Video Encoding	H.264 Base profile and MJPEG
Video Streams	Up to 2 simultaneous streams; the second stream is variable based on the setup of the primary stream
Frame Rate	Up to 30, 25, 24, 15, 12.5, 12, 10, 8, 7. 5, 6, 5, 4, 3, 2, 1 (dependent upon coding, resolution, and stream configuration)

Available Resolutions

Resolution				MJPEG		H.264 Base Profile	
MPx	Width	Height	Aspect Ratio	Maximum IPS	Recommended Bit Rate	Maximum IPS	Recommended Bit Rate
1.3	1280	1024	5:4	20 ips	10.0 Mbps	8.0 ips	2.5 Mbps
1.2	1280	960	4:3	20 ips	9.8 Mbps	8.0 ips	2.4 Mbps
0.9	1280	720	16:9	30 ips	10.0 Mbps	12.5 ips	2.5 Mbps
0.5	800	600	4:3	30 ips	5.8 Mbps	25 ips	2.0 Mbps
0.3	640	480	4:3	30 ips	3.7 Mbps	30 ips	1.6 Mbps
0.1	320	240	4:3	30 ips	0.9 Mbps	30 ips	0.4 Mbps

Additional Resolutions	640 x 512, 640 x 352, 480 x 368, 480 x 272, 320 x 256, and 320 x 176
Supported Protocols	TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMPpv2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)
Users	
Unicast	Up to 20 simultaneous users depending on resolution settings (2 guaranteed streams)
Multicast	Unlimited users H.264
Security Access	Password protected
Software Interface	Web browser view and setup
Pelco System Integration	Endura 2.0 (or later) or Digital Sentry 4.3 (or later)
Open API	Pelco API or ONVIF v1.02
Minimum System Requirements	
Processor	Intel® Pentium® 4 microprocessor, 1.6 GHz
Operating System	Microsoft® Windows® XP, Windows Vista®, or Mac® OS X 10.4 (or later)
Memory	512 MB RAM
Network Interface Card	100 megabits, minimum
Monitor	Minimum of 1024 x 768 resolution, 16- or 32-bit pixel color resolution
Web Browser*	Internet Explorer® 7.0 (or later) or Mozilla® Firefox® 3.5 (or later); Internet Explorer® 8.0 (or later) is recommended for configuring analytics
Media Player†	Pelco Media Player or QuickTime® 7.6.5 for Windows XP, Windows Vista, or QuickTime 7.6.4 for Mac OS X 10.4

LENS

Field of View in Degrees		High Resolution Streams (>800 x 600) Aspect Ratio		
		16:9	4:3	5:4
2.8 mm	Horizontal	91	91	91
	Vertical	50	67	72
10.0 mm	Horizontal	25	25	25
	Vertical	14	19	20

Note: For 800 x 600 (or lower) resolutions in 4:3 or 5:4 aspect ratios, the field of view is smaller than listed above. Refer to the installation/operation manual for details.

*Internet Explorer is not supported by Mac OS X 10.4.

†This product is not compatible with QuickTime version 7.6.4 for Windows XP or Windows Vista. If you have this version installed on your PC, you will need to upgrade to QuickTime version 7.6.5.

MODELS

IM10C10-1	Sarix mini indoor fixed dome network camera, 1.3 MPx, color, 2.8 ~ 10 mm varifocal megapixel lens, white trim ring, clear dome
IM10C10-B1	Sarix mini indoor fixed dome network camera, 1.3 MPx, color, 2.8 ~ 10 mm varifocal megapixel lens, black trim ring, clear dome

CERTIFICATIONS/RATINGS/PATENTS

- CE, Class B
- FCC, Class B
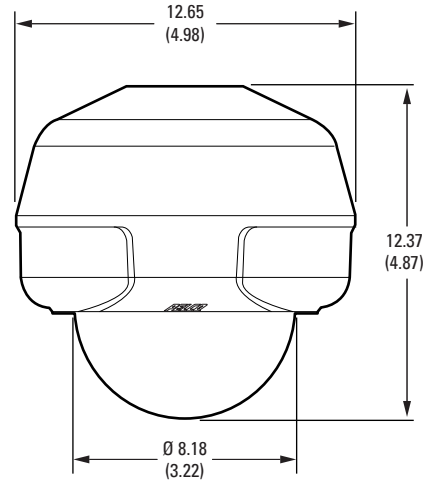- UL/cUL Listed
- C-Tick
- Patents Pending
- ONVIF 1.02

OPTIONAL ACCESSORIES

IM-PMWT	Pendant mount white
IM-PMBL	Pendant mount black
IM-WMWT	Integrated wall mount white
IM-WMBL	Integrated wall mount black
LDIM-0	White lower dome with smoked bubble
LDIM-B0	Black lower dome with smoked bubble
IX-SC	Service/monitor cable, 1.22 m (4 ft); compatible with standard BNC connectors
POE20U560G	Single port PoE injector
ALM-1	External alarm accessory

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PENDANT
(Mount Available as Accessory)

INTEGRATED WALL MOUNT
(Available as Accessory)