Spectra® Mini IP Network Dome System

DIGITAL, INDOOR, SURFACE MOUNT/IN-CEILING

Product Features

- · Ability to Control and Monitor Video Over IP Network
- 3 Simultaneous Video Streams
 - Dual MPEG-4 (30 ips)
 - Scalable MJPEG
- Supported Protocols: TCP/IP, UDP/IP (Unicast, Multicast IGMp), UPnP, DNS, DHCP, RTP, NTP
- Power over Ethernet (PoE) Compatible
- Single Model for Surface Mount and In-Ceiling Applications
- Autofocus, High Resolution Integrated Color Camera/Optics Package
- 80X Zoom (10X Optical, 8X Digital)
- · Zone Blanking
- 64 Presets
- 0.5° Preset Accuracy
- 140°/Second Pan Speed
- 360° Continuous Pan
- Rotating Discreet Liner
- · Bidirectional Full-Duplex Audio

Spectra® Mini IP dome systems incorporate all of the features and functions of Spectra Mini, while allowing you to control and monitor video over an IP network from virtually anywhere in the world.

Spectra Mini IP is a miniature dome with a built-in 100Base-TX network interface for live streaming to a standard Web browser. The dome system features open architecture connectivity for third-party software recording solutions allowing integration into virtually any IP-based system.

The **Spectra Mini IP** is compatible with Integral Digital Sentry® video management systems. The dome system is also Endura Enabled™ to record, manage, configure, and view multiple live streams. When connected to an Endura® network-based video security system, the dome system has access to EnduraStor™ and EnduraView[™] for optimized image quality and bandwidth efficiency.



APPLICATION



APPLICATION

Spectra Mini IP features the same ease of installation and ease of maintenance that you have come to expect from Spectra Mini. The easy-to-install dome system can be mounted to the surface of ceilings or recessed into hard ceilings and suspended tile ceilings. Spectra Mini IP is IEEE 802.3af PoE compatible, which supplies power to the dome system through the network. If PoE is not available, the unit is prewired for 24 VAC.

Variable speed capabilities of Spectra Mini IP range from a fast pan motion of 140 degrees per second to a smooth "creep" speed of 0.4 degrees per second. The system is capable of continuous 360 degrees rotation, and it has an autoflip feature that allows the dome to rotate 180 degrees and reposition itself for uninterrupted viewing of any subject that passes directly beneath the dome's location.

TECHNICAL SPECIFICATIONS

ADDITIONAL PRODUCT FEATURES

- 64 Presets: 53 User Definable and 11 Predefined
- · Multilingual Menus (English, Spanish, Portuguese, Italian, French, and German)
- · Alternate Language Files (includes Russian, Polish, Turkish, and Czech) Available as Optional Software Upload
- On-Screen Compass, Tilt, and Zoom Display
- Password Protection
- 140°/sec Pan Preset Speed and 80°/sec Tilt Preset Speed
- · Rotating Discreet Liner
- 4 Zones (programmable in size) Can Be Labeled with up to 20 Characters Each or Set to Output Blank Video
- Programmable Locations of Labels and On-Screen Displays
- 1 On-Screen, User-Defined Programmable Pattern. Includes Pan, Tilt, Zoom, and Preset Functions
- 1 Programmable Window Blanking Area
- Proportional Pan and Tilt: Continually Decreases Pan/Tilt Speeds in Proportion to Depth of Zoom
- Variable Scan Speed: Scan Speed Can Be 3, 6, or 12°/sec
- Pan Motion Allows 0.4° to 140°/sec Pan Speed
- Programmable Limit Stops for Auto/Random/Frame Scan Modes
- Built-in Menu System for Setup of Programmable Functions
- Auto Flip Rotates Dome 180° at Bottom of Tilt Travel
- Programmable Zoom Speeds
- 1 Alarm Input
- · 1 Auxiliary Relay Output

VIDEO

Digital Compression	MJPEG, MPEG-4 (available only with Microsoft® Internet Explorer®)	
Video Streams	3, simultaneous	
Video Resolutions	NTSC	PAL
4CIF	704 x 480	704 x 576
2CIF	704 x 240	704 x 288
CIF	352 x 240	352 x 288
QCIF	176 x 120	176 x 144
Bit Rate Configurable		
MPEG-4	30 ips, 2 Mbps for primary stream, 1 Mbps for	

secondary stream; implements EnduraView

MJPEG 15 ips, 3 Mbps, MJPEG

Web User Interface

For viewing HTTP, requires Java Runtime Pelco Device Utility

Environment (JRE™)

Internet Explorer For viewing and control, requires ActiveX®

Firefox® For viewing and control

5 simultaneous users MJPEG or MPEG-4 Users

unicast; unlimited number of users using

multicast (MPEG-4 only)

Minimum System Requirements

Intel® Pentium® 4 microprocessor, 1.6 GHz Processor Microsoft® Windows® 98, Windows 2000, Operating System

Windows XP (or later), or Mac® OS X 10.4

(or later)

512 MB RAM Memory

Network Interface Card 100 megabits, minimum

Minimum of 1024 x 768 resolution, 16- or Monitor

32-bit pixel color resolution

Web Browser Internet Explorer® 5.5 (or later) or Mozilla®

Firefox® 1.5 (or later)

Firmware Upgrade Pelco Device Utility or Endura Application TCP/IP. UDP/IP (unicast, multicast IGMP). Supported Protocols

UPnP, DNS, DHCP, RTP, NTP

GENERAL

Construction

Top Cap Alodined cast aluminum Dome Drive ABS plastic

Trim Ring and Surface Mount Ring

Bubble Acrylic White or black

Light Attenuation

Finish

Smoked f/0.5 light loss Clear Zero light loss

RJ45-10 connector for PoE and 100Base-TX, Cable Entry

ABS plastic

auto MDI/MDI-X, autonegotiate; 2-position

24 VAC input terminal connector

Cat5 or better for 100Base-TX Cable Type

Environment

Operating Temperature 32° to 122°F (0° to 50°C) Unit Weight 1.88 lb (0.85 kg) Shipping Weight 4 lb (1.81 kg)

MECHANICAL

Pan Movement 360° continuous pan rotation Vertical Tilt Unobstructed +2° to -92°

Manual Pan/Tilt Speeds

Pan

100°/sec turbo Tilt 0.7° to 40°/sec manual operation

Preset Speeds

Pan 140°/sec Tilt 80°/sec

> Note: For variable speed operation, an appropriate controller is required.

0.4° to 80°/sec manual operation,

ELECTRICAL

Input Voltage/Amps 18 to 30 VAC, 24 VAC nominal; 0.75 A, 50/60 Hz nominal

Input Power 18 VA nominal IEEE 802.3af class 3 PoE

AUDIO

Streaming Bidirectional: full or half duplex

Input/Output Terminal block, analog for microphone and

speaker; 600-ohm differential; 1 Vp-p

maximum signal level

G.711 PCM 8 bit, 8 kHz mono at 64 kbit/s Compression

TECHNICAL SPECIFICATIONS

CAMERA

Signal Format NTSC/PAL
Scanning System 2:1 interlace
Image Sensor 1/4-inch interline CCD

Effective Pixels

NTSC 768 (H) x 494 (V)
PAL 752 (H) x 582 (V)
Minimum Illumination 3.0 lux

White Balance Automatic with manual override Shutter Speed Automatic (electronic iris)/manual

1/60~/30,000

Gain Control Automatic with manual override

LENS

Lens f/1.8 (f= 4.2–42 mm optical) 10X optical zoom, 8X digital zoom

Zoom Speed (optical range) 1.5/2.5/4.3 seconds
Horizontal Angle of View 46.4° wide zoom;
5.0° telephoto zoom

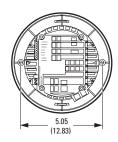
Focus Automatic with manual override Iris Control Automatic with manual override

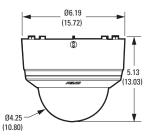
CERTIFICATIONS

- CE, Class B
- FCC, Class BUL/cUL Listed
- C-Tick

MODELS

SD4N-B0 SD4N-B1 SD4N-B0-X SD4N-B1-X SD4N-W0 SD4N-W1 SD4N-W1-X SD4N-W1-X Indoor dome system, black, smoked bubble, NTSC Indoor dome system, black, clear bubble, NTSC Indoor dome system, black, smoked bubble, PAL Indoor dome system, black, clear bubble, PAL Indoor dome system, white, smoked bubble, NTSC Indoor dome system, white, clear bubble, NTSC Indoor dome system, white, smoked bubble, PAL Indoor dome system, white, clear bubble, PAL Indoor dome system, white, clear bubble, PAL





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

TECHNICAL SPECIFICATIONS

OPTIONAL MOUNTS

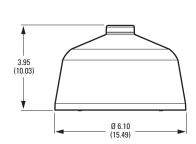
SPM4-W Pendant mount, white
SPM4-B Pendant mount, black
SWM4-W Pendant-wall mount, white
SWM4-B Pendant-wall mount, black

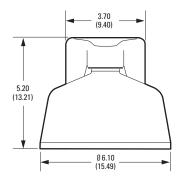


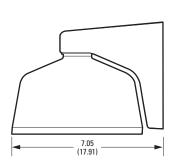
SPECTRA MINI DOME SHOWN WITH OPTIONAL SPM4-W PENDANT MOUNT



SPECTRA MINI DOME SHOWN WITH OPTIONAL SWM4-W PENDANT-WALL MOUNT







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

SPM4-W/SPM4-B

Mounting Method Attach mount to 0.75-inch NPT pipe or 20 mm

threaded conduit; attach Spectra Mini IP dome with hardware supplied with mount

Construction ABS plastic

Finish

SPM4-W White SPM4-B Black

Unit Weight 0.30 lb (0.14 kg) Shipping Weight 2 lb (0.91 kg)

SWM4-W/SWM4-B

Mounting Method Install adapter plate on wall or junction box using appropriate hardware; attach wall

mount to adapter plate; attach Spectra Mini IP dome with hardware supplied with mount

ABS plastic, aluminum

Construction Finish

SWM4-W White SWM4-B Black

Unit Weight 0.72 lb (0.33 kg) Shipping Weight 2 lb (0.91 kg)