Spectra® Mini Dome System SD5 Series
INDOOR, MINIATURE, SURFACE MOUNT/IN-CEILING

Product Features

- Familiar Spectra® Camera Menu Structure
- 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
- Rotating Discreet Liner
- 1 Pattern
- 1 Dynamic Window Blanking Area
- Proportional Pan and Tilt
- Programmable Zoom Speeds
- Multilingual Support
- Integral, Autosensing, Multiprotocol Receiver
- Auto Flip Dome Rotation
- Integrated UTP Circuit
- Quick Connect Cable for Power, Video (Coaxial or UTP), and Data
- Available with Smoked or Clear Dome

SURFACE MOUNT APPLICATION

RECESSED CEILING APPLICATION

The **Spectra® Mini** incorporates many well-known features from Pelco's full-size Spectra dome system into a cost effective, small form factor. The easy-to-install dome system can be mounted to the surface of ceilings or recessed into hard ceilings and suspended tile ceilings. A high resolution camera transmits video over coaxial cable or unshielded twisted pair (UTP) wires. When paired with active UTP receivers, **Spectra Mini** is capable of transmitting high quality video across distances of up to 4,000 ft (1,219 m). Pan/tilt operation can be performed with Pelco's controllers that transmit Pelco D, Pelco P, or Coaxitron® protocols. On-screen programming allows easy setup of the miniature dome's many features.

Variable speed capabilities of the **Spectra Mini** 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 has an auto flip feature. This feature allows the dome to rotate 180 degrees and reposition itself for uninterrupted viewing of any subject that passes directly beneath the dome's location.

PELCO™

by Schneider Electric

PRODUCT FEATURES

- 64 Presets: 53 User Definable and 11 Predefined
- ±0.5° Preset Accuracy
- Multilingual Menus (English, Spanish, Portuguese, Italian, French, and German)
- Data Port for Software Update and Setup
- 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 and tilt speeds in proportion to depth of zoom
- Variable Scan Speed: Scan speed can be 3, 6, or 12°/sec
- Pan Motion Allows 0.4-140°/sec Pan Speed
- Programmable Limit Stops for Auto/Random/Frame Scan Modes
- Autosensing Protocol (Coaxitron, RS-422 Pelco P and Pelco D)
- Digital Position, Zoom Control, and Feedback Through Pelco D Protocol
- Built-in Menu System for Setup of Programmable Functions
- Auto Flip Rotates Dome 180° at Bottom of Tilt Travel
- Programmable Zoom Speeds

GENERAL

Construction

Top Cap	E-coated cast aluminum
Dome Liner	Polycarbonate plastic
Trim Ring and Surface Mount Ring	ABS plastic
Bubble	Acrylic
Finish	White or black

Light Attenuation

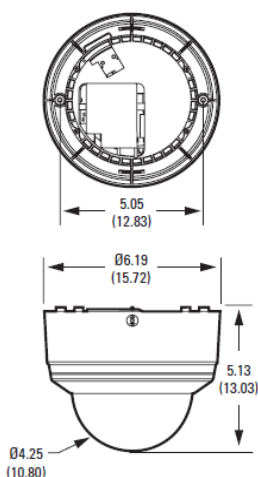|	
Smoked	f/0.5 light loss
Clear	Zero light loss
Cable Entry	RJ45-10 pigtail connector for video (UTP), power, and data (supplied) BNC connector for video (coaxial)
Environment	Indoor
Operating Temperature	32° to 122°F (0° to 50°C)
Storage Temperature	−4° to 140°F (−20° to 60°C)
Operating & Storage Humidity	20% to 80% RH noncondensing
Unit Weight	1.75 lb (0.79 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	0.4° to 80°/sec manual operation, 100°/sec turbo
Tilt	0.7° to 40°/sec manual operation

Preset Speeds

Pan	140°/sec
Tilt	80°/sec For variable speed operation an appropriate controller is required.

ELECTRICAL

Input Voltage	25 to 32 VDC, 29 VDC nominal; 18 to 30 VAC, 24 VAC nominal
Input Power	21 VA /15 W nominal
Fuse	1.6 A

SPECTRA MINI SD5 SERIES

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

TECHNICAL SPECIFICATIONS

CAMERA

Signal Format	NTSC/PAL
Scanning System	Progressive
Image Sensor	1/3-inch CMOS
Effective Pixels	1305 (H) x 1049 (V)
Horizontal Resolution	> 700 TVL
Minimum Illumination	1.0 lux
White Balance	Automatic with manual override
Shutter Speed	Automatic (electronic iris)/manual 1/60 ~1/60,000
Gain Control	Automatic with manual override
Video Output	
Composite	1.0 to 1.2 Vp-p, 75 ohms, adjustable
UTP	1.0 to 1.2 Vp-p, 100 ohms, adjustable
Video Signal-to-Noise Ratio	>50 dB

OPTIONAL MOUNTS

SPM5-W	Pendant mount, white
SPM5-B	Pendant mount, black
SWM5-W	Pendant-wall mount, white
SWM5-B	Pendant-wall mount, black

LENS

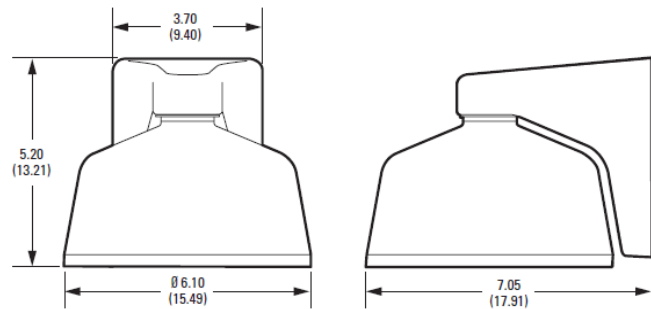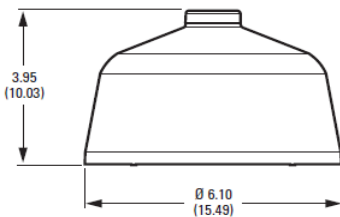|	
Lens	f/1.6 (f= 5.1~51 mm optical) 10X optical zoom, 8X digital zoom
Zoom Speed (optical range)	4.1/2.6/2.1 seconds
Horizontal Angle of View	54° wide zoom; 4.9° telephoto zoom
Focus	Automatic with manual override
Iris Control	Automatic with manual override

CERTIFICATIONS

- CE, Class A
- FCC, Class A
- ICES-003, Class A
- UL/cUL Listed
- RCM
- ROHS

SPECTRA MINI DOME SHOWN WITH OPTIONAL SPM5-W PENDANT MOUNT

SPECTRA MINI DOME SHOWN WITH OPTIONAL SWM5-W PENDANT-WALL MOUNT

3.95 (10.03)

Ø 6.10 (15.49)

3.70 (9.40)

5.20 (13.21)

Ø 6.10 (15.49)

7.05 (17.91)

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

SPM5-W/SPM5-B

Mounting Method	Attach mount to 0.75-inch NPT pipe or 20 mm threaded conduit; attach Spectra Mini dome with hardware supplied with mount
Construction	ABS plastic
Finish	
SPM5-W	White
SPM5-B	Black
Unit Weight	0.30 lb (0.14 kg)
Shipping Weight	2 lb (0.91 kg)

SWM5-W/SWM5-B

Mounting Method	Install adapter plate on wall or junction box using appropriate hardware; attach wall mount to adapter plate; attach Spectra Mini dome with hardware supplied with mount
Construction	ABS plastic, aluminum
Finish	
SWM5-W	White
SWM5-B	Black
Unit Weight	0.72 lb (0.33 kg)
Shipping Weight	2 lb (0.91 kg)

MODELS

SD5-B0	Indoor dome system, black, smoked bubble, NTSC
SD5-B1	Indoor dome system, black, clear bubble, NTSC
SD5-B0-X	Indoor dome system, black, smoked bubble, PAL
SD5-B1-X	Indoor dome system, black, clear bubble, PAL
SD5-W0	Indoor dome system, white, smoked bubble, NTSC
SD5-W1	Indoor dome system, white, clear bubble, NTSC
SD5-W0-X	Indoor dome system, white, smoked bubble, PAL
SD5-W1-X	Indoor dome system, white, clear bubble, PAL