Spectra® IV IP Series Network Dome System
DIGITAL PAN/TILT/ZOOM HIGH-SPEED DOME

Product Features

- Ability to Control and Monitor Video Over IP Networks
- Simultaneous IP and Analog Video and Control
- Auto tracking
- 3 Simultaneous Video Streams: Dual MPEG-4 and MJPEG
- Supported Protocols: TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, and NTP
- Multilevel Password Protection
- 3 Autofocus, High Resolution Integrated Camera/Optics Packages
- Horizontal Zone and Window Blanking
- Sensitivity Down to 0.00018 Lux (36X Models)
- On-Screen Compass and Tilt Display
- Web Browser, Endura®, and Third-Party Network Interface
- Bidirectional Full-Duplex Audio

ENDURA ENABLED

Spectra® IV IP dome systems incorporate all of the features and functions of Spectra IV (including analog), while allowing you to control and monitor video over an IP network from virtually anywhere in the world. **Spectra IV IP** is a high-speed dome with a built-in 100Base-TX network interface for live streaming to any network application. The dome system also features open architecture connectivity for third-party software recording solutions allowing integration into virtually any IP-based system. It is also compatible with Digital Sentry® video management systems. As with all Pelco IP camera solutions, **Spectra IV IP** is 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.

Spectra IV IP is one of the only solutions on the market that allows you to view and control analog video while viewing, recording, and controlling network IP video. There is no need to abandon your current analog infrastructure if you are making the move to network video as a recording solution. Continue to monitor and control video in the analog domain while recording video in the network domain, and let **Spectra IV IP's** professional compression method do the work for you without the need for external encoders.

Spectra IV IP features the same ease of installation and ease of maintenance that you have come to expect from Spectra IV. Each dome system consists of a back box, a dome drive, and a lower dome. These three system components are interchangeable with other **Spectra IV IP** dome systems, making retrofitting and application adjustments simple.

As with all Spectra dome systems, **Spectra IV IP** features several back box options. All back boxes feature built-in memory, which can be used to store camera and location-specific dome settings, including labels, presets, patterns, and zones.

All cameras in **Spectra IV IP** dome drives feature an EXview HAD™ imager for increased sensitivity and LowLight™ technology allowing the cameras to compensate for scenes where minimal light is present. Both the 29X and the 36X cameras feature built-in motion detection and advanced 128X wide dynamic range (WDR) that enables the system to compensate for scenes where dramatic contrasts in lighting are present. The 36X day/night camera's electronic image stabilization digitally reduces blurring of the camera image due to vibration caused by external sources, such as wind and traffic.

PELCO

by Schneider Electric

TECHNICAL SPECIFICATIONS

CAMERA/OPTICS

	Day/Night (36X)	Day/Night (29X)	Day/Night (23X)
Signal Format	NTSC **(DD436)** PAL **(DD436-X)**	NTSC **(DD429)** PAL **(DD429-X)**	NTSC **(DD423)** PAL **(DD423-X)**
Scanning System	Interlace/Progressive selectable	Interlace/Progressive selectable	2:1 Interlace

Image Sensor
  Effective Pixels
    NTSC
    PAL
	1/4-inch EXview HAD™
	
	768 (H) X 494 (V)
	752 (H) X 582 (V)
		1/4-inch EXview HAD
		
		768 (H) X 494 (V)
		752 (H) X 582 (V)
			1/4-inch EXview HAD
			
			768 (H) X 494 (V)
			752 (H) X 582 (V)

Horizontal Resolution
  NTSC
  PAL
	>540 TV Lines
	>540 TV Lines
		>540 TV Lines
		>540 TV Lines
			540 TV Lines
			540 TV Lines

Lens	f/1.4 (focal length, 3.3 ~ 119 mm)	f/1.4 (focal length, 3.4 ~ 98.6 mm)	f/1.6 (focal length, 3.6 ~ 82.8 mm)
Zoom	36X optical, 12X digital	29X optical, 12X digital	23X optical, 12X digital
Zoom Speed (optical range)	3.2/4.6/6.6 seconds	3.2/4.6/6.6 seconds	2.9/4.2/5.8 seconds

Horizontal
  Angle of view
  Focus
	57.2° at 3.3 mm wide zoom;
	1.7° at 119 mm telephoto zoom
	Automatic with manual override
		55.8° at 3.4 mm wide zoom;
		1.7° at 98.6 mm telephoto zoom
		Automatic with manual override
			54° at 3.6 mm wide zoom;
			2.5° at 82.8 mm telephoto zoom
			Automatic with manual override

Maximum Sensitivity at 35 IRE
  NTSC/EIA
 	
  PAL/CCIR
	0.55 lux at 1/60 sec **(color)**
	0.018 lux at 1/2 sec **(color)**
	0.0048 lux at 1/2 sec **(B-W)**
	0.45 lux at 1/50 sec **(color)**
	0.015 lux at 1/1.5 sec **(color)**
	0.004 lux at 1/1.5 sec **(B-W)**
		0.55 lux at 1/60 sec **(color)**
		0.018 lux at 1/2 sec **(color)**
		0.0048 lux at 1/2 sec **(B-W)**
		0.45 lux at 1/50 sec **(color)**
		0.015 lux at 1/1.5 sec **(color)**
		0.004 lux at 1/1.5 sec **(B-W)**
			0.65 lux at 1/60 sec **(color)**
			0.15 lux at 1/60 sec **(B-W)**
			
			0.55 lux at 1/50 sec **(color)**
			0.12 lux at 1/50 sec **(B-W)**

Sync System	Internal/AC line lock, phase adjustable using remote control, V-Sync	Internal/AC line lock, phase adjustable using remote control, V-Sync	Internal/AC line lock, phase adjustable using remote control, V-Sync
White Balance	Automatic with manual override	Automatic with manual override	Automatic with manual override

Shutter Speed
  NTSC
  PAL
	Automatic (electronic iris)/Manual
	1/2 ~ 1/30,000
	1/1.5 ~ 1/30,000
		Automatic (electronic iris)/Manual
		1/2 ~ 1/30,000
		1/1.5 ~ 1/30,000
			Automatic (electronic iris)/Manual
			1/2 ~ 1/30,000
			1/1.5 ~ 1/30,000

Iris Control	Automatic iris control with manual override	Automatic iris control with manual override	Automatic iris control with manual override
Gain Control	Automatic/OFF	Automatic/OFF	Automatic/OFF
Video Output	1 Vp-p, 75 ohms	1 Vp-p, 75 ohms	1 Vp-p, 75 ohms
Video Signal-to-Noise	>50 dB	>50 dB	>50 dB
Wide Dynamic Range	128X	128X	—
Electronic Image Stabilization	Integrated/Selectable	—	—
Auto Sharpness	Integrated/Selectable	Integrated/Selectable	—
Video Motion Detection	Integrated	Integrated	—

TECHNICAL SPECIFICATIONS

VIDEO

Analog	NTSC/PAL
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	Pelco Device Utility interface for viewing HTTP, requires Java Runtime Environment (JRE™)
Users	5 simultaneous users MJPEG and MPEG-4 unicast; unlimited number of users using multicast (MPEG-4 only)

Minimum System Requirements

Processor	Intel® Pentium® 4 microprocessor, 1.6 GHz
Operating System	Windows® 98, Windows 2000, Windows XP (or later), or Mac® OS X 10.3.9 (or later)
Memory	512 MB RAM
Network Interface Card	100 megabits
Web Browser	Internet Explorer 5.5 (or later); Mozilla® Firefox® 1.5 (or later)
Monitor	Minimum of 1024 x 768 resolution, 16- or 32-bit pixel color resolution

Firmware Upgrade	Pelco Device Utility or Endura Application
Supported Protocols	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP

ENDURA SYSTEM

INTERNET

SPECTRA IV IP

3rd PARTY INTEGRATION

WEB BROWSER
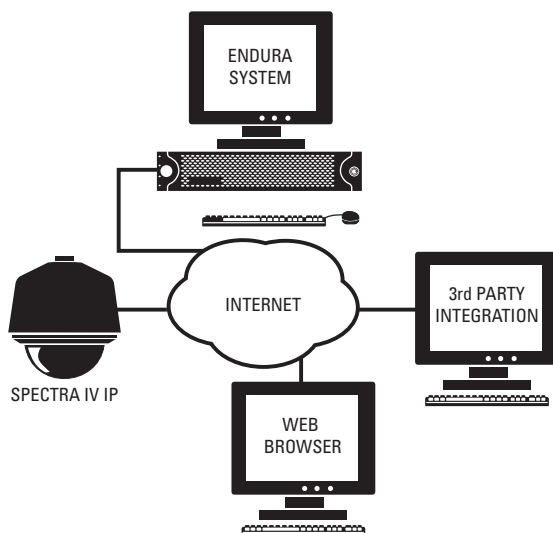
IMPORTANT NOTE: PLEASE READ. The network implementation is shown as a general representation only and is not intended to show a detailed network topology. Your actual network will differ, requiring changes or perhaps additional network equipment to accommodate the system as illustrated. Please contact your local Pelco Representative to discuss your specific requirements.

DOME DRIVE FEATURES

36X and 29X Models

- 256 Presets
- ±0.1° Preset Accuracy
- Electronic Image Stabilization (36X model)
- Image Enhancement (36X model)
- Multilingual Menus (English, Spanish, Portuguese, Italian, French, German, Russian, Polish, Turkish, and Czech)
- RJ-45 Data Port for Software Update and Setup
- On-Screen Compass, Tilt, and Zoom Display
- Password Protection
- 400°/sec Pan Preset Speed and 200°/sec Tilt Preset Speed
- Rotating Discreet Liner with Sealed Fixed Bubble
- Window Blanking: Up to 8, Four-Sided, User-Defined Shapes
- 8 Zones (configurable in size) Can Be Labeled with up to 20 Characters Each or Set to Output Blank Video
- 7 Alarm Inputs
- 1 Auxiliary (Form C) Relay Output and 1 Open Collector Auxiliary Output (can be alternately configured to operate upon alarm)
- Configurable Locations of Labels and On-Screen Displays
- Action on Alarm: Alarms Can Be Individually Configured for 3 Priority Levels, to Initiate a Stored Pattern, or to Go to an Associated Preset When Received
- Resume After Alarm: Allows the Dome to Return to a Previously Configured State After Alarm Acknowledgement or to its Previous Position Before Alarm
- Multiple Park and Power-Up Action
- Patterns: Up to 8, On-Screen, User-Defined Configurable Patterns; Includes Pan, Tilt, Zoom, and Preset Functions
- Proportional Pan/Tilt: Continually Decreases Pan/Tilt Speeds in Proportion to Depth of Zoom
- Variable Scan Speed: Scan Speed Can Be Configurable Between 1 to 40°/sec
- Pan Motion Allows 0.1° to 150°/sec Pan Speed
- Configurable Limit Stops for Auto/Random/Frame Scan Modes
- Autosensing Protocol (Coaxitron®, RS-422 Pelco P and Pelco D, Sensormatic®, Vicon®); Accepts Other Control Protocols with Optional Translator Card
- Digital Position and Zoom Control and Feedback Through Pelco D Protocol
- Built-in Menu System for Setup of Configurable Functions
- "Auto Flip" Rotates Dome 180° at Bottom of Tilt Travel
- Configurable Zoom Speeds
- Freeze Frame During Presets
- Low Lux Noise Reduction

23X Models

- 64 Presets
- ±0.1° Preset Accuracy
- Multilingual Menus (English, Spanish, Portuguese, Italian, French, German, Russian, Polish, Turkish, and Czech)
- RJ-45 Data Port for Software Update and Setup
- On-Screen Compass, Tilt, and Zoom Display
- Password Protection
- 400°/sec Pan Preset Speed and 200°/sec Tilt Preset Speed
- Rotating Discreet Liner with Sealed Fixed Bubble
- Window Blanking: Up to 4, Four-Sided, User-Defined Shapes
- 8 Zones (configurable in size) Can Be Labeled with up to 20 Characters Each or Set to Output Blank Video
- 1 Alarm Input
- 1 Auxiliary (Form C) Relay Output
- Configurable Locations of Labels and On-Screen Displays
- Patterns: 1 On-Screen, User-Defined Configurable Pattern; Includes Pan, Tilt, Zoom, and Preset Functions
- Proportional Pan/Tilt: Continually Decreases Pan/Tilt Speeds in Proportion to Depth of Zoom
- Variable Scan Speed: Scan Speed Can Be Configurable Between 1 to 40°/sec
- Pan Motion Allows 0.1° to 150°/sec Pan Speed
- Autosensing Protocol (Coaxitron, RS-422 Pelco P and Pelco D, Sensormatic, Vicon); Accepts Other Control Protocols with Optional Translator Card
- Digital Position and Zoom Control and Feedback through Pelco D Protocol
- Built-in Menu System for Setup of Configurable Functions
- "Auto Flip" Rotates Dome 180° at Bottom of Tilt Travel
- Freeze Frame During Presets

TECHNICAL SPECIFICATIONS

BACK BOX FEATURES

7.5 (19.0)

5.2 (13.2)

3.5 (8.8)

5.9 (15.0)

8.2 (20.8)
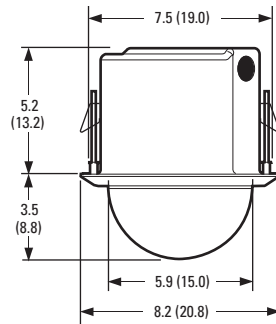
In-Ceiling (Indoor)

- Built-in Memory Stores Camera/Dome Settings
- Single Back Box for Suspended or Hard Ceiling Applications
- Requires 5.25-Inch Space Above Ceiling and 3.25 Inches Below
- Minimum Ceiling Thickness 0.5-Inch; Maximum 1.75 Inches
- Quick Disconnect to Dome Drive
- Aluminum Construction
- Suitable for Use in Environmental Air Handling Spaces

(ENVIRONMENTAL DOME WITH SUN SHROUD SHOWN)

10.6 (26.9)

5.9 (15.0)

8.6 (21.8)
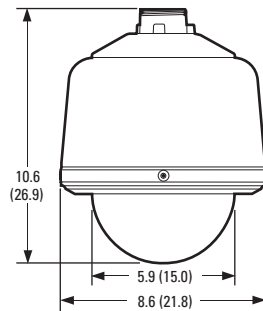
NOTE: VALUES IN PARENTHESES ARE CENTIMETERS; ALL OTHERS ARE INCHES.

Standard and Environmental Pendant

- Standard and Environmental Models
- Built-in Memory Stores Camera/Dome Settings
- Standard Pendant Available in Black or Gray Finish; Environmental Pendant Gray Finish Only
- Quick Disconnect to Dome Drive
- Aluminum Construction
- Environmental Model Includes Sun Shield, Fan, and Heater

9.9 (25.2)

4.4 (11.0)

4.3 (10.9)

5.9 (15.0)

8.6 (21.8)
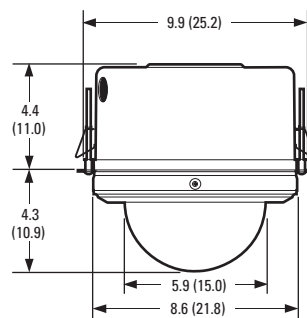
Environmental In-Ceiling

- Built-in Memory Stores Camera/Dome Settings
- Single Back Box for Hard Ceiling Applications
- Requires 4.4-Inch Space Above Ceiling and 4.3 Inches Below
- Includes Heater and Fan
- Minimum Ceiling Thickness 0.5-Inch; Maximum 1.75 Inches
- Quick Disconnect to Dome Drive
- Aluminum Construction

TECHNICAL SPECIFICATIONS

BACK BOX FEATURES

13.34 (5.25)   21.59 (8.5)

24.77 (9.75)   Ø6.13 (Ø15.57)
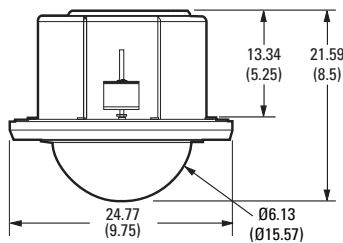
Heavy-Duty In-Ceiling (Indoor)
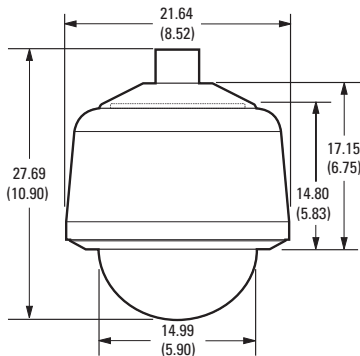*Available only with 29X and 36X models*

- Built-in Memory Stores Camera/Dome Settings
- Single Back Box for Hard Ceiling Applications
- Requires 5.25-Inch Space Above Ceiling and 3.25 Inches Below
- Quick Disconnect to Dome Drive
- Reinforced Mounting System
- Heavy-Duty Polycarbonate Dome Bubble
- Aluminum Trim Ring with Barrel-Type Key Locks
- Optional Protective Cage

DUAL WALL CONSTRUCTION

25.65 (10.1)

19.05 (7.5)

24.64 (9.70)   Ø15.57 (Ø 6.13)
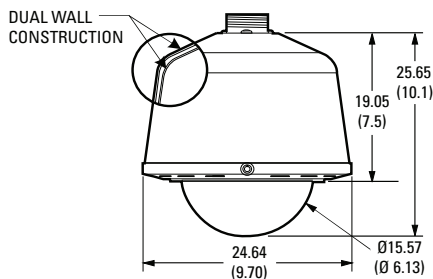
Heavy-Duty Pendant
Available only with 29X and 36X models

- Standard and Environmental Models
- Built-in Memory Stores Camera/Dome Settings
- Quick Disconnect to Dome Drive
- Dual Wall Construction
- Heavy-Duty Polycarbonate Dome Bubble
- Aluminum Trim Ring with Barrel-Type Key Locks
- Optional Protective Cage
- Environmental Model Includes Sun Shield, Fan, and Heater

21.64 (8.52)

27.69 (10.90)

17.15 (6.75)

14.80 (5.83)

14.99 (5.90)

Stainless Steel Pendant
Available only with 29X and 36X models

- Standard and Environmental Models
- Built-in Memory Stores Camera/Dome Settings
- Quick Disconnect to Dome Drive
- All Stainless Steel Construction
- Includes Sun Shield, Fan, and Heater

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

GENERAL

Construction
Back Box

In-Ceiling	Aluminum
Pendant	Aluminum
Heavy-Duty	Aluminum
Stainless Steel	316 stainless steel; gray, polyurethane powder coated finish
Dome Drive	Aluminum, thermo plastic

Lower Dome

In-Ceiling	Acrylic
Pendant	Acrylic
Heavy-Duty	Polycarbonate, 0.09-inch thick
Stainless Steel	Acrylic

Light Attenuation

Smoked	f/0.5 light loss
Clear	Zero light loss
Chrome	f/2.0 light loss
Gold	f/2.0 light loss

Cable Entry (back box)

In-Ceiling	0.75-inch conduit fitting
Pendant	Through 1.5-inch NPT pendant mount

Weight (approximate)	Unit	Shipping
In-Ceiling	5.2 lb (2.4 kg)	8 lb (3.6 kg)
Environmental In-Ceiling	6.2 lb (2.8 kg)	10 lb (4.5 kg)
Standard Pendant	6.5 lb (3.0 kg)	11 lb (5.0 kg)
Environmental Pendant	7.6 lb (3.5 kg)	12 lb (5.4 kg)
Heavy-Duty In-Ceiling*	7.3 lb (3.3 kg)	12 lb (5.4 kg)
Heavy-Duty Pendant*	9.8 lb (4.5 kg)	16 lb (7.3 kg)
Heavy-Duty Environmental Pendant*	9.8 lb (4.5 kg)	16 lb (7.3 kg)
Stainless Steel	10.1 lb (4.6 kg)	16 lb (7.3 kg)

Environment

In-Ceiling	Indoor
Environmental In-Ceiling	Outdoor
Pendant, Standard and Environmental	Indoor/outdoor
Heavy-Duty In-Ceiling	Indoor
Heavy-Duty Pendant, Standard & Environmental	Indoor/outdoor
Stainless Steel	Indoor/outdoor

Operating Temperature

In-Ceiling	32° to 122°F (0° to 50°C)
Standard Pendant	(Assumes no wind chill factor)
Maximum	113°F (45°C) absolute maximum; 95°F (35°C) sustained maximum
Minimum	25°F (–4°C) sustained minimum

Environmental In-Ceiling and Environmental Pendant (Assumes no wind chill factor)

Maximum	140°F (60°C) absolute maximum; 122°F (50°C) sustained maximum
Minimum	–60°F (–51°C) absolute minimum; prevents icing at sustained minimum of –50°F (–45°C); de-ices 0.1 inch (2.5 mm) within 3 hours after power-up
Heavy-Duty In-Ceiling	32° to 122°F (0° to 50°C)
Heavy-Duty Pendant	32° to 122°F (0° to 50°C) absolute maximum; 32° to 122°F (0° to 50°C) sustained maximum

Heavy-Duty Environmental Pendant (Assumes no wind chill factor)

Maximum	140°F (60°C) absolute maximum; 122°F (50°C) sustained maximum
Minimum	–60°F (–51°C) absolute minimum; minimal icing at sustained minimum of –50°F (–45°C); prevents icing at sustained minimum of –40°F (–40°C); de-ices 0.1 inch (2.5 mm) within 3 hours after power-up

Stainless Steel (Assumes no wind chill factor)

Maximum	140°F (60°C) absolute maximum; 122°F (50°C) sustained maximum
Minimum	–60°F (–51°C) absolute minimum; minimal icing at sustained minimum of –50°F (–45°C); prevents icing at sustained minimum of –40°F (–40°C); de-ices 0.1 inch (2.5 mm) within 3 hours after power-up
Effective Projected Area (EPA)	20.5 square inches (without mount) 47 square inches (with IWM Series mount)

MECHANICAL
(Dome Drive Only)

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

Manual Pan/Tilt Speeds

Pan	0.1° to 80°/sec manual operation, 150°/sec Turbo
Tilt	0.1° to 40°/sec manual operation

Preset Speeds

Pan	400°/sec
Tilt	200°/sec

For variable-speed operation, an appropriate controller is required. (With nonvariable speed control, Spectra IV IP pan/tilt speed is 20°/sec)

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

ELECTRICAL

Ports	RJ-45 connector for 100Base-TX Auto MDI/MDI-X Autonegotiate/Manual setting
Cabling Type	Cat5 or better for 100Base-TX
Input Voltage	18 to 32 VAC; 24 VAC nominal 22 to 27 VDC; 24 VDC nominal

Input Power

24 VAC	23 VA nominal (without heater); 73 VA nominal (with heater)
24 VDC	0.7 A nominal (without heater); 3 A nominal (with heater)
Fuse	1.25 A
Auxiliary Outputs	2
Alarm Inputs	7

CERTIFICATIONS/RATINGS/PATENTS

- CE, Class B
- FCC, Class B
- UL/cUL Listed
- C-Tick
- U.S. Patents 5,931,432; 6,793,415 B2; 6,802,656 B2; 6,821,222 B2; 7,161,615 B2

Meets the following standards:
- NEMA Type 4X, IP66 when installed properly (BB4N-F-E, BB4N-PB, BB4N-PG, BB4N-PG-E, BB4NHD-PG, BB4NHD-PG-E, and BB4N-PSG-E)
- NEMA Type 1, IP40 (BB4N-F and BB4NHD-F)

*Add 2 lb (0.90 kg) to the total weight if the system includes a lower dome

RELATED PRODUCTS

OPTIONAL ACCESSORIES

HD-KEYS	1 set of keys for heavy-duty lower dome.
IPS-CABLE	Remote monitor cable and software kit consisting of the Spectra IV remote monitor interface cable and necessary software for use with a PC. Refer to *www.pelco.com* for a list of compatible devices.
IPS-RDPE-2	Remote data port. 24 VAC, wall/pole mount video/data breakout box. Allows ground-level control/configuration when used with the IPS-CABLE.
LD5F-2*	Flush in-ceiling lower dome with chrome bubble (f/2.0 light loss).
LD5F-3*	Flush in-ceiling lower dome with gold bubble (f/2.0 light loss).
LD53PB-2*	Pendant lower dome with black trim and chrome bubble (f/2.0 light loss).
LD53PB-3*	Pendant lower dome with black trim and gold bubble (f/2.0 light loss).

*Not recommended for outdoor use due to possible light reflections.

RECOMMENDED MOUNTS

In-Ceiling Domes

SD5-P	2' x 2' drop ceiling panel, aluminum construction; replaces 2' x 2' ceiling tile
SCA1	Support rails for BB4N-F; for use in ceiling tile applications

Pendant Domes

BB5-PCA-BK	Pendant conduit adapter, black
BB5-PCA-GY	Pendant conduit adapter, gray
IWM Series	Wall mount, with or without integral 24 VAC, 100 VA transformer; black or gray finish; can be adapted for corner, parapet or pole application
MRCA	Ceiling mount, black
PP4348	Parapet roof mount
PP350/PP351	Parapet wall/roof mount
SWM Series	Compact wall mount, black or gray finish; can be adapted for corner or pole applications
IDM4012SS	Stainless steel wall mount with feedthrough capabilities

RECOMMENDED POWER SUPPLIES

MCS Series	Indoor, 24 VAC power supply
WCS Series	Outdoor, 24 VAC power supply

Refer to individual power supply specifications for more information.

SYSTEM AND COMPONENT MODELS

SYSTEM MODEL NUMBERS

Type	Back Box Color	Lower Dome	Cage	36X Day/Night (NTSC)	36X Day/Night (PAL)	29X Day/Night (NTSC)	29X Day/Night (PAL)	23X Day/Night (NTSC)	23X Day/Night (PAL)
In-Ceiling, Indoor	Black	Smoked		SD4N36-F0	SD4N36-F0-X	SD4N29-F0	SD4N29-F0-X	SD4N23-F0	SD4N23-F0-X
		Clear		SD4N36-F1	SD4N36-F1-X	SD4N29-F1	SD4N29-F1-X	SD4N23-F1	SD4N23-F1-X
In-Ceiling, Environmental*	Black	Smoked		SD4N36-F-E0	SD4N36-F-E0-X	SD4N29-F-E0	SD4N29-F-E0-X	SD4N23-F-E0	SD4N23-F-E0-X
		Clear		SD4N36-F-E1	SD4N36-F-E1-X	SD4N29-F-E1	SD4N29-F-E1-X	SD4N23-F-E1	SD4N23-F-E1-X
Pendant, Standard	Black	Smoked		SD4N36-PB-0	SD4N36-PB-0-X	SD4N29-PB-0	SD4N29-PB-0-X	SD4N23-PB-0	SD4N23-PB-0-X
		Clear		SD4N36-PB-1	SD4N36-PB-1-X	SD4N29-PB-1	SD4N29-PB-1-X	SD4N23-PB-1	SD4N23-PB-1-X
	Light Gray	Smoked		SD4N36-PG-0	SD4N36-PG-0-X	SD4N29-PG-0	SD4N29-PG-0-X	SD4N23-PG-0	SD4N23-PG-0-X
		Clear		SD4N36-PG-1	SD4N36-PG-1-X	SD4N29-PG-1	SD4N29-PG-1-X	SD4N23-PG-1	SD4N23-PG-1-X
Pendant, Environmental*	Light Gray	Smoked		SD4N36-PG-E0	SD4N36-PG-E0-X	SD4N29-PG-E0	SD4N29-PG-E0-X	SD4N23-PG-E0	SD4N23-PG-E0-X
		Clear		SD4N36-PG-E1	SD4N36-PG-E1-X	SD4N29-PG-E1	SD4N29-PG-E1-X	SD4N23-PG-E1	SD4N23-PG-E1-X
Heavy-Duty In-Ceiling, Indoor	Light Gray	Smoked	No	SD4N36-HF0	SD4N36-HF0-X	SD4N29-HF0	SD4N29-HF0-X		
			Yes	SD4N36-HCF0	SD4N36-HCF0-X	SD4N29-HCF0	SD4N29-HCF0-X		
		Clear	No	SD4N36-HF1	SD4N36-HF1-X	SD4N29-HF1	SD4N29-HF1-X		
			Yes	SD4N36-HCF1	SD4N36-HCF1-X	SD4N29-HCF1	SD4N29-HCF1-X		
Heavy-Duty Pendant, Indoor		Smoked	No	SD4N36-HP0	SD4N36-HP0-X	SD4N29-HP0	SD4N29-HP0-X		
			Yes	SD4N36-HCP0	SD4N36-HCP0-X	SD4N29-HCP0	SD4N29-HCP0-X		
		Clear	No	SD4N36-HP1	SD4N36-HP1-X	SD4N29-HP1	SD4N29-HP1-X		
			Yes	SD4N36-HCP1	SD4N36-HCP1-X	SD4N29-HCP1	SD4N29-HCP1-X		
Heavy-Duty Pendant, Environmental*		Smoked	No	SD4N36-HPE0	SD4N36-HPE0-X	SD4N29-HPE0	SD4N29-HPE0-X		
			Yes	SD4N36-HCPE0	SD4N36-HCPE0-X	SD4N29-HCPE0	SD4N29-HCPE0-X		
		Clear	No	SD4N36-HPE1	SD4N36-HPE1-X	SD4N29-HPE1	SD4N29-HPE1-X		
			Yes	SD4N36-HCPE1	SD4N36-HCPE1-X	SD4N29-HCPE1	SD4N29-HCPE1-X		
Stainless Steel Pendant, Environmental*	Stainless Steel	Smoked		SD4N36-PSGE0	SD4N36-PSGE0-X	SD4N29-PSGE0	SD4N29-PSGE0-X		
		Clear		SD4N36-PSGE1	SD4N36-PSGE1-X	SD4N29-PSGE1	SD4N29-PSGE1-X		

*Environmental dome systems include a heater and fan, and the environmental pendant also includes a sun shield.

SYSTEM AND COMPONENT MODELS

COMPONENT MODEL NUMBERS

Back Box*		Dome Drive		Lower Dome†	
BB4N-F	In-ceiling, black, with back box memory	DD423	Day/Night (NTSC) camera (23X)	LDHQF-0	Smoked, in-ceiling
		DD423-X	Day/Night (PAL) camera (23X)	LDHQF-1	Clear, in-ceiling
		DD429	Day/Night (NTSC) camera (29X)	LDHQPB-0	Smoked, pendant, black
BB4N-F-E	In-ceiling, black, environmental, with back box memory	DD429-X	Day/Night (PAL) camera (29X)	LDHQPB-1	Clear, pendant, black
		DD436	Day/Night (NTSC) camera (36X)	LD53HDF-0	Smoked, in-ceiling, heavy-duty
BB4N-PB	Pendant mount, black, standard, with back box memory	DD436-X	Day/Night (PAL) camera (36X)	LD53HDF-1	Clear, in-ceiling, heavy-duty
				LD53HDCF-0	Smoked, in-ceiling, heavy-duty with cage
BB4N-PG	Pendant mount, gray, standard, with back box memory			LD53HDCF-1	Clear, in-ceiling, heavy-duty with cage
BB4N-PG-E	Pendant mount, gray, environmental, with back box memory			LD53HDPB-0	Smoked, pendant, heavy-duty
BB4NHD-F	Heavy-duty, in-ceiling, gray, with back box memory			LD53HDPB-1	Clear, pendant, heavy-duty
				LD53HDCPB-0	Smoked, pendant, heavy-duty, with cage
BB4NHD-PG	Heavy-duty, pendant, gray, with back box memory			LD53HDCPB-1	Clear, pendant, heavy-duty, with cage
BB4NHD-PG-E	Heavy-duty, environmental pendant, gray, with back box memory			LD53PSB-0	Smoked, pendant, black trim ring, 316 SS
BB4N-PSG-E	Stainless steel, environmental pendant, gray 316 SS, with back box memory			LD53PSB-1	Clear, pendant, black trim ring, 316 SS

Note: For environmental applications you must order an environmental back box.

*Environmental models include a heater and fan, and the environmental pendant also includes a sun shield.
†Use the pendant lower domes with the environmental in-ceiling and environmental pendant back boxes.