Spectra® Enhanced Series IP Dome System
S6220 AND S6230 MODELS, WIDE-DYNAMIC-RANGE PAN/TILT/ZOOM DOME

Product Features
- Up to 1920 x 1080 Resolution at up to 60 Images per Second with SureVision™ 2.0 and 130 dB WDR
- Up to 450° per Second Pan and Tilt
- Full Functionality Using Power Over Ethernet (HPoE and PoE+)
- Low Latency for Improved Pan and Tilt Driveability
- Defog Mode Provides Three Levels of Fog Removal Within the Image for Improved Image Quality
- Vivid Mode Can be Turned On/Off to Drastically Improve the Image Contrast and Color Saturation
- Electronic Image Stabilization (EIS)
- 16 Preset Tours, 256 Dome Presets, 32 Window Blanks
- Full Suite of Built-In Analytics Including AutoTracker, Adaptive Motion Detection, Abandoned Object, and More.
- 2 Simultaneous Video Streams: Dual H.264 or H.264 and Scalable MJPEG
- ONVIF Profile-S and Profile-G Conformant
- Local Storage Through 32 GB Micro SD card (not supplied)

Network Dome System
Pelco’s high-speed IP-PTZ dome cameras take a leap in image quality with the new Spectra® Enhanced product offering. The top tier dome provides industry-leading image quality with a wide dynamic range (WDR) imaging system, 60 images per second video (ips), electronic image stabilization, and a whole host of features such as image defog and Pelco’s full suite of behavioral analytics. These features, along with SureVision™ 2.0 and 130 dB WDR, make the camera system an ideal solution for detecting and capturing faces, license plates, tattoos, and evidentiary details in nearly any lighting situation.

Spectra Enhanced is compatible with Pelco’s powerful new VideoXpert™ video management system while maintaining backwards compatibility to Pelco’s legacy Endura® and Digital Sentry® VMS platforms.

Using High-Profile H.264 compression, Spectra Enhanced can efficiently store up to 32 GB of still images or video on a compatible SD card (not supplied) that is easily accessible through the ONVIF Profile G protocol or FTP. As always, Pelco products are designed with robust open-architecture connectivity for third-party VMS and recording solutions and simple integration into virtually any IP-based system.

Spectra Enhanced 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.

Ease of Installation
Spectra Enhanced features the same ease of installation and maintenance that you have come to expect from Spectra. Each dome system consists of a back box, a dome drive, and a lower dome. There is a choice of five form factors: in-ceiling, environmental in-ceiling, pendant, environmental pendant, and stainless steel environmental pendant.

Built-In Analytics
Nine Pelco behaviors are preloaded and included as standard features including Abandoned Object, Adaptive Motion Detection, AutoTracker, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle. Pelco behaviors can be configured and enabled using a standard Web browser, and they are compatible with Endura or a third-party system that supports alarms using Pelco’s API.

Window Blanking
Window blanking is used to conceal user-defined privacy areas that cannot be viewed by an operator. Spectra Enhanced supports up to 32 blanked windows.

Video Systemization
Spectra Enhanced easily connects to Pelco IP and hybrid systems such as VideoXpert, Endura version 2.0 (or later), and Digital Sentry version 7.3 (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.
BACK BOX FEATURES

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

In-Ceiling (Indoor)
- Single Back Box for Suspended or Hard Ceiling Applications with Light Gray Trim Ring, RAL9002
- Requires 13.35 cm (5.25 in.) Space Above Ceiling and 8.25 cm (3.25 in.) Below
- Minimum Ceiling Thickness 1.27 cm (0.50 in.); Maximum 4.45 cm (1.75 in.)
- Aluminum Construction, Acrylic Bubble
- Suitable for Use in Environmental Air Handling Spaces
- 0° to 50°C (32° to 122°F) Sustained Operating Temperature

Environmental In-Ceiling
- Single Back Box, RAL9011, for Hard Ceiling Applications
- Requires 11.18 cm (4.40 in.) Space Above Ceiling; 10.92 cm (4.30 in.) Below
- Type 4X and IP66
- Includes Heater and Blower
- Minimum Ceiling Thickness 1.27 cm (0.50 in.); Maximum 4.45 cm (1.75 in.)
- Aluminum Construction, Acrylic Bubble
- –45° to 50°C (–50° to 122°F) Sustained Operating Temperature

Standard Pendant
- Standard Pendant Available in Black or Light Gray Finish, RAL9002
- Aluminum Construction, Acrylic Bubble
- Uses 1 1/2-inch NPT Thread
- –5° to 35°C (23° to 95°F) Sustained Operating Temperature

Environmental Pendant
- Environmental Pendant Available in Light Gray Finish, RAL9002
- Aluminum Construction, Acrylic Bubble
- Type 4X and IP66
- Uses 1 1/2-inch NPT Thread
- Includes Sun Shield, Heater, and Blower
- –45° to 50°C (–50° to 122°F) Sustained Operating Temperature

Stainless Steel Environmental Pendant
- Stainless Steel Environmental Pendant Available in Light Gray Finish, RAL9002
- All Stainless Steel Construction, Acrylic Bubble
- Type 4X and IP66
- Uses 1 1/2-inch NPT Thread
- Includes Sun Shield, Heater, and Blower
- –45° to 50°C (–50° to 122°F) Sustained Operating Temperature
## Technical Specifications

### Camera/Optics

<table>
<thead>
<tr>
<th>Specification</th>
<th>20X</th>
<th>30X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor Type</td>
<td>1/2.8-inch Type Exmor CMOS Sensor</td>
<td>1/2.8-inch Type Exmor CMOS Sensor</td>
</tr>
<tr>
<td>Optical Zoom</td>
<td>20X</td>
<td>30X</td>
</tr>
<tr>
<td>Digital Zoom</td>
<td>12X</td>
<td>12X</td>
</tr>
<tr>
<td>Maximum Resolution</td>
<td>1920 x 1080</td>
<td>1920 x 1080</td>
</tr>
<tr>
<td>Lens</td>
<td>1/1.6 – 1/3.5, focal length 4.7 mm (wide) – 94.0 mm (tele)</td>
<td>1/1.6 – 1/4.7, focal length 4.3 mm (wide) – 129.0 mm (tele)</td>
</tr>
<tr>
<td>Horizontal Angle of View</td>
<td>55.4° (wide) – 2.9° (tele)</td>
<td>59.5° (wide) – 2.1° (tele)</td>
</tr>
<tr>
<td>Aspect Ratio</td>
<td>16:9</td>
<td>16:9</td>
</tr>
<tr>
<td>Light Sensitivity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color (33 ms)</td>
<td>0.20 lux</td>
<td>0.20 lux</td>
</tr>
<tr>
<td>Color (250 ms)</td>
<td>0.025 lux</td>
<td>0.025 lux</td>
</tr>
<tr>
<td>Mono (33 ms)</td>
<td>0.06 lux</td>
<td>0.06 lux</td>
</tr>
<tr>
<td>Mono (250 ms)</td>
<td>0.008 lux</td>
<td>0.008 lux</td>
</tr>
<tr>
<td><strong>Note:</strong> Sensitivity in lux for 90% reflectance, f/1.6 (wide angle), 43 dB gain at 30 IRE (30% of signal level) with Sensitivity Boost OFF; 4X improvement to sensitivity with Sensitivity Boost ON</td>
<td><strong>Note:</strong> Sensitivity in lux for 90% reflectance, f/1.6 (wide angle), 43 dB gain at 30 IRE (30% of signal level) with Sensitivity Boost OFF; 4X improvement to sensitivity with Sensitivity Boost ON</td>
<td></td>
</tr>
<tr>
<td>Day/Night Capabilities</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>IR Cut Filter</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Wide Dynamic Range</td>
<td>130 dB</td>
<td>130 dB</td>
</tr>
<tr>
<td>Iris Control</td>
<td>Auto iris with manual override</td>
<td>Auto iris with manual override</td>
</tr>
<tr>
<td>Backlight Compensation</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Automatic Gain Control</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Active Noise Filtering</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Electronic Image Stabilization (EIS)</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Software Features
- 256 presets
- 16 tours
- ±0.1° preset accuracy
- Multilingual menus (English, Spanish, Portuguese, Italian, German, French, Russian, Turkish, Arabic, Simplified Chinese, and Korean)
- Password protection
- 32 window blanks, configurable in size
- “Auto Flip” feature rotates dome 180° at bottom of tilt travel
- Configurable park with actions
- Proportional pan/tilt continually decreases pan/tilt speeds in proportion to depth of zoom
- Pelco analytics including nine user-configurable behaviors
- Defog modes

### Pelco Analytics Behaviors
- **AutoTracker:** Detects and tracks movement in the field of view. When the AutoTracker behavior is configured, the system automatically pans and tilts to follow the moving object until the object stops or disappears from the monitored area.
- **Camera Sabotage:** Detects contrast changes in the field of view. An alarm is triggered if the lens is obstructed by spray paint, a cloth, or a lens cap. Any unauthorized repositioning of the camera also triggers an alarm.
- **Directional Motion:** Generates an alarm in a high traffic area when a person or object moves in a specified direction. Typical installations for this behavior include an airport gate or tunnel where cameras can detect objects moving in the opposite direction of the normal flow of traffic or an individual entering through an exit door.
- **Loitering Detection:** Identifies when people or vehicles remain in a defined zone longer than the user-defined time allows. This behavior is effective in real-time notification of suspicious behavior around ATMs, stairwells, and school grounds.
- **Object Counting:** Counts the number of objects that enter a defined zone. This behavior can be used to count the number of people at a store entrance/exit or inside a store where the traffic is light. This behavior is based on tracking and does not count people in a crowded setting.
- **Object Removal:** Triggers an alarm if an object is removed from a user-defined zone. This behavior is ideal for customers who want to detect the removal of high value objects, such as painting from a wall or a statue from a pedestal.
- **Stopped Vehicle:** Detects vehicles stopped near a sensitive area longer than the user-defined time allows. This behavior is idea for airport curbside drop-offs, parking enforcement, suspicious parking, traffic lane breakdowns, and vehicles waiting at gates.
TECHNICAL SPECIFICATIONS

VIDEO
Video Encoding
H.264 High, Main, or Base profiles 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 60, 50, 30, 25, 15, 12.5, 10, 8.333, 7.5, 6, 5, 3, 2.5, 2, 1 (depending on the coding, resolution, and stream configuration)

Available Resolutions

<table>
<thead>
<tr>
<th>Resolution</th>
<th>H.264 High Profile (IP GOP structure)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPx</td>
<td>Width</td>
</tr>
<tr>
<td>2.07</td>
<td>1920</td>
</tr>
<tr>
<td>2.07</td>
<td>1920</td>
</tr>
<tr>
<td>0.92</td>
<td>1280</td>
</tr>
<tr>
<td>0.36</td>
<td>800</td>
</tr>
<tr>
<td>0.23</td>
<td>640</td>
</tr>
</tbody>
</table>

NETWORK
Supported Protocols
TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6*, SNMP v2c/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)

Open API
Pelco API or ONVIF Profile G and Profile S

Mobile Application
Integrated to Pelco Mobile App

Video Motion Detection
Simple motion detection and camera sabotage

Local Storage
32 GB SD Card; capture 1–5–10 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

MINIMUM SYSTEM REQUIREMENTS

Processor
Intel® Core™ i3 Processor, 2.4 GHz

Operating System
Windows® 7 (32-bit and 64-bit) with DirectX® 11, Windows XP Service Pack 3 with DirectX 9.0c, or Mac® OS X 10.4 (or later)

Memory
4 GB RAM

Network Interface Card
100 megabits (or greater)

Monitor
Minimum of 1024 x 768 resolution, 16- or 32-bit pixel color resolution

Web Browser
Internet Explorer® 8.0 (or later) or 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 and Windows 7; or QuickTime 7.6.4 for Mac OS X 10.4 (or later)

ANALYTICS

Required Systems for Pelco Analytics

Pelco Interface
WS5200 Advanced System Management Software on an Endura 2.0 (or later) system

Open API
The Pelco API can transmit behavior alarm data to third-party applications, available at pdn.pelco.com

GENERAL

Construction

Back Box
Aluminum

Dome Drive
Aluminum, thermo plastic

Lower Dome
Acrylic

Stainless Steel Construction

Back Box
316 stainless steel; gray, polyurethane powder coated finish

Lower Dome
316 stainless steel; black, polyurethane powder coated finish

Bubble
Acrylic, clear or smoked

Light Attenuation
Smoked f/0.5 light loss
Clear f/0.0 light loss

Cable Entry (back box)
In-Ceiling 0.75-inch conduit fitting
Pendant Through 1.5-inch NPT pendant mount

Weight (approximate)

In-Ceiling 2.6 kg (5.7 lb) 4.6 kg (10.2 lb)
Environmental In-Ceiling 2.9 kg (6.5 lb) 4.9 kg (10.8 lb)
Standard Pendant 3.1 kg (6.8 lb) 5.0 kg (11 lb)
Environmental Pendant 3.7 kg (8.2 lb) 5.5 kg (12.2 lb)
Stainless Steel 6.5 kg (14.3 lb) 8.6 kg (19 lb)

ALARM

Unsupervised
Detects open or closed alarm state

Supervised
Detects open and short alarm state with external 1-kohm resistor

Input
3.5 VDC maximum, 3.5 mA maximum

Relay Output
±32 VDC maximum, 150 mA maximum

AUDIO

Input/Output
Line level/external microphone input; 600-ohm differential, 1Vp-p maximum signal level

*Supports mixed IPv4 and IPv6 installations, but not IPv6-only deployments.
†Pelco Media Player is recommended for control, smoothness, and reduced latency as compared to QuickTime.
**TECHNICAL SPECIFICATIONS**

**OPERATING TEMPERATURE***

<table>
<thead>
<tr>
<th>Temperature</th>
<th>In-Ceiling (24 VAC, PoE+)</th>
<th>Standard Pendant (24 VAC, PoE+)</th>
<th>Environmental Pendant and In-Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sustaining Maximum</td>
<td>50°C (122°F)</td>
<td>35°C (95°F)</td>
<td>50°C (122°F)</td>
</tr>
<tr>
<td>Minimum</td>
<td>0°C (32°F)</td>
<td>-5°C (23°F)</td>
<td>-45°C (-49°F)</td>
</tr>
<tr>
<td>Absolute Maximum</td>
<td>N/A</td>
<td>45°C (113°F)</td>
<td>60°C (140°F)</td>
</tr>
<tr>
<td>Minimum</td>
<td>N/A</td>
<td>N/A</td>
<td>-51°C (-60°F)</td>
</tr>
<tr>
<td>Ice Free</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Cold Start†</td>
<td>0°C (32°F)</td>
<td>0°C (32°F)</td>
<td>-30°C (-22°F)</td>
</tr>
<tr>
<td>De-icing‡</td>
<td>N/A</td>
<td>N/A</td>
<td>-30°C (-22°F)</td>
</tr>
</tbody>
</table>

*Assumes no wind chill factor.
†Cold starts within 90 minutes at specified temperature.
‡Removes icing of 2.5 mm (0.1 in.) within 3 hours after power-up.
§PEO75U HPoE Injector Accessory required for heater operation.

**OPERATING HUMIDITY**

- In-Ceiling (indoor), Standard Pendant: 10 to 90% RH (noncondensing)
- Environmental In-Ceiling, Environmental Pendant, Stainless Steel: 10 to 100% RH (condensing)
- Effective Projected Area (EPA): 20.5 square inches (without mount), 47 square inches (with IWM Series mount)

**MECHANICAL**

(Dome Drive Only)

- Variable Speed: 0.1° to 80°/sec (manual pan speed)
- Preset Accuracy: ±0.1°
- Pan Movement: 360° continuous pan rotation
- Vertical Tilt: +1° to –90°
- Maximum Pan Speed: Up to 450° per second
- Maximum Tilt Speed: Up to 450° per second
- Manual Pan/Tilt Speeds
  - Pan: 0.1° to 80°/sec manual operation
  - Tilt: 0.1° to 45°/sec manual operation
- Preset Speeds
  - Pan: 450°/sec
  - Tilt: 450°/sec

**ELECTRICAL**

- Ports: RJ-45 connector for 100Base-TX
  - Auto MDI/MDI-X
  - Autonegotiate/manual setting
- Cabling Type: Cat5e 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: 24 VA nominal (without heater and blower); 81 VA nominal (with heater and blower)
  - 24 VDC: 1 A nominal (without heater and blower); 3 A nominal (with heater and blower)
  - PoE+: 18 W, Environmental models (with heater on);
    - 15 W, Non-Environmental (with heater off)
  - HPoE: 60 W, Environmental models (with heater on);
    - 15 W, Non-Environmental (with heater off)

**CERTIFICATIONS/RATINGS/PATENTS**

- CE, Class A
- FCC, Class A
- ICES-003, Class A
- UL/cUL Listed
- C-Tick
- KC
- ONVIF Profile S
- ONVIF Profile G
- Cisco® Mediant Media Services Proxy 2.0 compatible
- Environmental models, including stainless steel, were tested in accordance with:
  - IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-30, and IEC 60068-2-78
  - Environmental models meet NEMA Type 4X and IP66 standards when installed properly (B6-F-E, B6-PG-E, and B6-PSG-E)
- U.S. Patents 5,931,432; 6,793,415 B2; 6,802,656 B2; 6,821,222 B2; 7,161,615 B2
TECHNICAL SPECIFICATIONS

SYSTEM MODEL NUMBERS

<table>
<thead>
<tr>
<th>Type</th>
<th>Back Box Color</th>
<th>Lower Dome</th>
<th>Spectra Enhanced, 2.0 MPx, 20X</th>
<th>Spectra Enhanced, 2.0 MPx, 30X</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-ceiling, indoor</td>
<td>White with white trim ring</td>
<td>Smoked</td>
<td>S6220-FW0</td>
<td>S6230-FW0</td>
</tr>
<tr>
<td>In-ceiling, environmental</td>
<td>Black with black trim ring</td>
<td>Smoked</td>
<td>S6220-YB0</td>
<td>S6230-YB0</td>
</tr>
<tr>
<td>Pendant, standard</td>
<td>Gray</td>
<td>Clear</td>
<td>S6220-YB1</td>
<td>S6230-YB1</td>
</tr>
<tr>
<td>Pendant, environmental</td>
<td>Gray</td>
<td>Smoked</td>
<td>S6220-PG0</td>
<td>S6230-PG0</td>
</tr>
<tr>
<td>Pendant, environmental,</td>
<td>Gray</td>
<td>Clear</td>
<td>S6220-PG1</td>
<td>S6230-PG1</td>
</tr>
<tr>
<td>stainless steel</td>
<td>Smoked</td>
<td>S6220-PB0</td>
<td>S6230-PB0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Clear</td>
<td>S6220-PB1</td>
<td>S6230-PB1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Smoked</td>
<td>S6220-EG0</td>
<td>S6230-EG0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Clear</td>
<td>S6220-EG1</td>
<td>S6230-EG1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Smoked</td>
<td>S6220-EG1</td>
<td>S6230-EG1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Clear</td>
<td>S6220-EG1</td>
<td>S6230-EG1</td>
<td></td>
</tr>
</tbody>
</table>

COMPONENT MODEL NUMBERS

<table>
<thead>
<tr>
<th>Type</th>
<th>Back Box Color</th>
<th>High Definition (HD) Lower Dome*</th>
<th>Dome Drive</th>
</tr>
</thead>
<tbody>
<tr>
<td>B6-F</td>
<td>In-ceiling</td>
<td>LDHDF-0 In-ceiling, smoked</td>
<td>D6220</td>
</tr>
<tr>
<td>B6-F-E</td>
<td>In-ceiling, environmental</td>
<td>LDHDF-1 In-ceiling, clear</td>
<td>D6230</td>
</tr>
<tr>
<td>B6-PG</td>
<td>Pendant, gray</td>
<td>LDHDPB-0 Pendant, smoked</td>
<td></td>
</tr>
<tr>
<td>B6-PB</td>
<td>Pendant, black</td>
<td>LDHDPB-1 Pendant, clear</td>
<td></td>
</tr>
<tr>
<td>B6-PG-E</td>
<td>Pendant, gray,</td>
<td>LDHDSS-0 Pendant, smoked, stainless steel</td>
<td></td>
</tr>
<tr>
<td>B6-PSG-E</td>
<td>Pendant, gray, environmental, stainless steel</td>
<td>LDHDSS-1 Pendant, clear, stainless steel</td>
<td></td>
</tr>
</tbody>
</table>

*Use the pendant lower domes with the environmental in-ceiling and environmental pendant back boxes.

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 B5-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
- RP4348: Parapet roof mount
- RP350/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 feed-through capabilities

OPTIONAL ACCESSORIES

- POE1AT-US: PoE+ Injector† with US power cord
- POE1AT-EU: PoE+ Injector† with EU power cord
- POE75U-1UP: HPoE Injector† (no power cord)
- POE75U-1UP-US: HPoE Injector† with US power cord
- POE75U-1UP-EUK: HPoE Injector† with EU/UK power cord
- MCS Series: Indoor, 24 VAC power supply
- WCS Series: Outdoor, 24 VAC power supply

†PoE+ will not provide enough power for heater operation. Use the HPoE Injector to provide sufficient heater power.

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