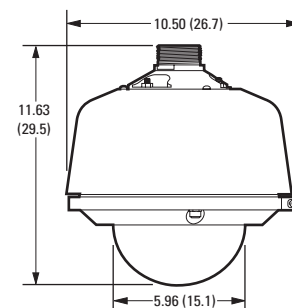


Pressurized Spectra® IV Series

BACK BOX AND LOWER DOME

Product Features

- Pressurized to 8 psig (55 kPa)
- Solid-State Sensors for Internal Temperature, Pressure, and Dew Point
- On-Demand Environmental Status Display for Internal Temperature, Pressure, and Dew Point
- On-Screen Alert Modes
- On-Screen Programmable Menus for Pan/Tilt, Camera, and Sensor Alert Settings
- Built-in Back Box Memory
- Integrated Passive UTP Circuit
- 2 Auxiliary Outputs and 7 Alarm Inputs
- Environmental Pendant Style Back Box
- Stainless Steel Construction
- Meets NEMA Type 6P and IP67 Standards
- Compatible with All Spectra® IV SE and Spectra IV Dome Drives
- Built-in Power Line Surge and Limited Lightning Protection
- Fiber Optic Feedthrough Models Available



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

Pelco's **Pressurized Spectra® IV Series** dome system provides ultimate protection of the camera optics and electronics from moisture, corrosive gases, and airborne contaminants. Domes are easily pressurized with dry nitrogen to 8 psig (55 kPa) before or after installation to stabilize the environment inside the system.

Sensors strategically placed in the dome system send an "Alert" message when changes in internal pressure, temperature, or dew point are beyond factory-set acceptable limits. The sensors also allow for instant on-screen display of internal temperature, pressure, and dew point.

The components of the **Pressurized Spectra IV Series** include an environmental pendant style back box and a lower dome designed for optimum optical clarity. All stainless steel construction provides added protection in harsh environments.

The back box features a sun shroud, heater, and fan to maintain a consistent operating environment. The back box also features built-in back box memory, an integrated passive UTP circuit, two auxiliary outputs, seven alarm inputs, and is compatible with all Spectra IV SE and Spectra IV Series dome drives.

The lower dome features an innovative O-ring seal and a stainless steel V-band to create a reliable pressure seal. The V-band has a unique latching system with one captivated fastener making lower dome installation easy. Accessible on the lower dome trim ring are a Schrader valve for system purging and a pressure relief valve.

The **Pressurized Spectra IV Series** is supplied with a prewired cable with mating connector. The cable includes all wires for system functionality, including power, alarms, auxiliaries, coaxial video, UTP video, and serial control.

Also available are pressurized back box models with fiber optic feedthrough that allow Pelco's FS85011 and third-party fiber optic transmitters to be installed inside the back box. These models include either a 9/125 µm single-mode or 62.5/125 µm multimode fiber optic cable with an ST-type connector.

Optional diagnostic/installation tools include a remote monitor kit (IPS-RMK) and a remote monitor cable (IPS-CABLE). These accessories allow the installer to view video, control PTZ functions, and perform system setup and software upgrades at the installation site.



C3421 / REVISED 6-11-08



International Standards Organization Registered Firm; ISO 9001 Quality System



TECHNICAL SPECIFICATIONS

SYSTEM MODEL NUMBERS

| Back Box Type | Lower Dome | SPECTRA IV | | SPECTRA IV SE | | |
|--|------------|-------------|----------------|---------------|----------------|-------------|
| | | 16X Color* | 18X Day/Night* | 22X Color* | 23X Day/Night* | |
| Environmental Pendant, Pressurized | Smoked | SD4TC-PRE0 | SD418-PRE0 | SD4C22-PRE0 | SD4CBW-PRE0 | SD435-PRE0 |
| | Clear | SD4TC-PRE1 | SD418-PRE1 | SD4C22-PRE1 | SD4CBW-PRE1 | SD435-PRE1 |
| Environmental Pendant, Pressurized Fiber Optic Feedthrough, Single-Mode | Smoked | SD4TC-PRSE0 | SD418-PRSE0 | SD4C22-PRSE0 | SD4CBW-PRSE0 | SD435-PRSE0 |
| | Clear | SD4TC-PRSE1 | SD418-PRSE1 | SD4C22-PRSE1 | SD4CBW-PRSE1 | SD435-PRSE1 |
| Environmental Pendant, Pressurized Fiber Optic Feedthrough, Multimode | Smoked | SD4TC-PRME0 | SD418-PRME0 | SD4C22-PRME0 | SD4CBW-PRME0 | SD435-PRME0 |
| | Clear | SD4TC-PRME1 | SD418-PRME1 | SD4C22-PRME1 | SD4CBW-PRME1 | SD435-PRME1 |

COMPONENT MODEL NUMBERS

| Back Box | | Lower Dome | | Dome Drive* | |
|-----------|--|------------|-------------------------------|-------------|---|
| BB4-PR-E | Environmental pendant, gray, pressurized | LD53PR-0 | Lower dome with smoked bubble | DD4TC16 | Color (NTSC) camera (16X) |
| BB4-PRS-E | Environmental pendant, gray, pressurized, fiber optic feedthrough, single-mode | LD53PR-1 | Lower dome with clear bubble | DD4CBW18 | Day/night (NTSC) camera (18X) |
| BB4-PRM-E | Environmental pendant, gray, pressurized, fiber optic feedthrough, multimode | | | DD4CBW | Day/night (NTSC) camera (23X) |
| | | | | DD4C22 | Color (NTSC) camera (22X) |
| | | | | DD4CBW35 | Day/night (NTSC) camera (35X) |
| | | | | DD5-FM | Removable, fixed mount bracket only (camera and lens not included); interchangeable with all Spectra IV dome drives |

*For PAL and CCIR models add "-X" suffix to part number. (Example: SD4C22-PRSE0-**X** or DD4C22-**X**)

Note: To order a fixed mount system, refer to the component models above and select a back box model, a lower dome model, and the DD5-FM dome drive. DD5-FM is ideal for use with Pelco's C10DN-6, C10DN-6X, C10CH-6, C10CH-6X, CCC1390H-6, and CCC1390H-6X cameras with selected Pelco lenses.

ELECTRICAL

| | |
|-------------------|--|
| Input Voltage | 18-32 VAC; 24 VAC nominal 22-27 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) |
| Fuse | 1.25 A |
| Auxiliary Outputs | 2 |
| Alarm Inputs | 7 |

| | | |
|----------------------|------------------|----------------|
| Weight (approximate) | Unit | Shipping |
| Back Box | 10.2 lb (4.6 kg) | 13 lb (5.9 kg) |
| Lower Dome | 3.3 lb (1.5 kg) | 7 lb (3.2 kg) |

CERTIFICATIONS/RATINGS

- CE, Class B
- FCC, Class B
- UL/cUL Listed
- Meets NEMA Type 6P and IP67 standards
- S Mark for Argentina

GENERAL

| | |
|-------------------------|---|
| Construction | |
| Back Box and Lower Dome | Type 316L stainless steel |
| Bubble | Polycarbonate, 0.090-inch thick |
| Light Attenuation | 1 F-stop (smoked); zero light loss (clear) |
| V-Band | Type 316L stainless steel |
| Pressure Relief | Brass |
| Schraeder Valve | Brass |
| Connector | Nickel-plated steel |
| Mounting | 1.5-inch NPT, threaded |
| Pressurization | |
| Valve | Schrader |
| Pressure | 8 psig (55 kPa) (not factory pressurized) |
| Pressure Relief | 10 psig (69 kPa) |
| Operating Temperature | (Assumes no wind chill factor; for detailed test conditions, contact Pelco) |
| Maximum | 140°F (60°C) absolute maximum; 122°F (50°C) sustained maximum |
| Minimum | -60°F (-51.11°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 |

OPTIONAL ACCESSORIES

| | |
|--------------|---|
| IPS-RMK | Remote monitor kit |
| IPS-CABLE | Remote monitor cable and software kit |
| IPS-RDPE-2** | Remote data port |
| EH8000RKIT | Dry nitrogen recharging kit (cannot be refilled) |
| TXB Series** | Translator boards for AD Manchester, Hervis, Bosch (Philips, Burle), Sensormatic, Vicon, TASS, and NTCIP protocols |
| FS85011A** | Fiber transmitter sends one unidirectional composite video channel and one bidirectional data channel over one optical fiber. Available in multimode and single-mode versions |
| Mounts | IDM4012SS (stainless steel, wall), IWM Series (wall), MRCA (ceiling), MRWA (wall), PP4348 (parapet roof), and PP350/PP351 (parapet wall/roof) |

**If TXB or FS85011A boards are installed, it is not possible to upgrade system operating software through the remote data port (IPS-RDPE-2).



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