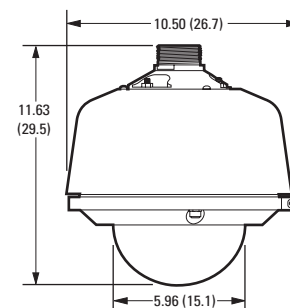




Pressurized Spectra® IV Series BACK BOX AND LOWER DOME

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 μ m single-mode or 62.5/125 μ m 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.



IP67



C3421 / NEW 1-07

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 Black-White*	22X Color*	23X Day/Night*	35X Day/Night*
Environmental Pendant, Pressurized	Smoked	SD4TC-PRE0	SD418-PRE0	SD4M22-PRE0	SD4C22-PRE0	SD4CBW-PRE0	SD435-PRE0
	Clear	SD4TC-PRE1	SD418-PRE1	SD4M22-PRE1	SD4C22-PRE1	SD4CBW-PRE1	SD435-PRE1
Environmental Pendant, Pressurized Fiber Optic Feedthrough, Single-Mode	Smoked	SD4TC-PRSE0	SD418-PRSE0	SD4M22-PRSE0	SD4C22-PRSE0	SD4CBW-PRSE0	SD435-PRSE0
	Clear	SD4TC-PRSE1	SD418-PRSE1	SD4M22-PRSE1	SD4C22-PRSE1	SD4CBW-PRSE1	SD435-PRSE1
Environmental Pendant, Pressurized Fiber Optic Feedthrough, Multimode	Smoked	SD4TC-PRME0	SD418-PRME0	SD4M22-PRME0	SD4C22-PRME0	SD4CBW-PRME0	SD435-PRME0
	Clear	SD4TC-PRME1	SD418-PRME1	SD4M22-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)
				DD4M22	Black-white (EIA) 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 CCC1380/CCC1390/MCC1380 Series 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)	<u>Unit</u>	<u>Shipping</u>
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
- UL Listed
- UL Listed to Canadian safety standards
- FCC, Class B
- Meets NEMA Type 6P and IP67 standards
- Complies with Argentina compliance requirements under Res. 92/98

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, Hernis, Bosch (Philips, Burle), Sensormatic, Vicon, and NTCIP protocols
FS85011**	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 FS85011 boards are installed, it is not possible to upgrade system operating software through the remote data port (IPS-RDPE-2).



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