

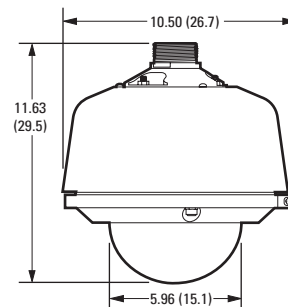


Pressurized Spectra III™ Series

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
- 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 III™ SE and Spectra III 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 III™ 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 III 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, two auxiliary outputs, seven alarm inputs and is compatible with all Spectra III SE and Spectra III 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 III 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.



C2478 / REVISED 2-06

IP66



International Standards Organization Registered Firm; ISO 9001 Quality System



TECHNICAL SPECIFICATIONS

SYSTEM MODEL NUMBERS

Back Box Type	Lower Dome	SPECTRA III		SPECTRA III SE		
		16X Color*	18X Day/Night*	23X Day/Night*	22X Color*	22X Black-White*
Environmental Pendant, Pressurized	Smoked	SD53TC-PRE0	SD5318-PRE0	SD53CBW-PRE0	SD53C22-PRE0	SD53M22-PRE0
	Clear	SD53TC-PRE1	SD5318-PRE1	SD53CBW-PRE1	SD53C22-PRE1	SD53M22-PRE1
Environmental Pendant, Pressurized Fiber Optic Feedthrough, Single-Mode	Smoked	SD53TC-PRSE0	SD5318-PRSE0	SD53CBW-PRSE0	SD53C22-PRSE0	SD53M22-PRSE0
	Clear	SD53TC-PRSE1	SD5318-PRSE1	SD53CBW-PRSE1	SD53C22-PRSE1	SD53M22-PRSE1
Environmental Pendant, Pressurized Fiber Optic Feedthrough, Multimode	Smoked	SD53TC-PRME0	SD5318-PRME0	SD53CBW-PRME0	SD53C22-PRME0	SD53M22-PRME0
	Clear	SD53TC-PRME1	SD5318-PRME1	SD53CBW-PRME1	SD53C22-PRME1	SD53M22-PRME1

COMPONENT MODEL NUMBERS

Back Box	Lower Dome	Dome Drive*
BB53-PR-E Environmental pendant, gray, pressurized	LD53PR-0 Lower dome with smoked bubble	DD53TC16 Color (NTSC) camera (128X)
BB53-PRS-E Environmental pendant, gray, pressurized, fiber optic feedthrough, single-mode	LD53PR-1 Lower dome with clear bubble	DD53CBW18 Day/night (NTSC) camera (180X)
BB53-PRM-E Environmental pendant, gray, pressurized, fiber optic feedthrough, multimode		DD53CBW Day/night (NTSC) camera (230X)
		DD53C22 Color (NTSC) camera (264X)
		DD53M22 Black-white (EIA) camera (264X)
		DD5-FM Removable, fixed mount bracket only (camera and lens not included). Interchangeable with all Spectra III dome drives.

*For PAL and CCIR models add "-X" suffix to part number. (Example: SD53C22-PRSE0-**X** or DD53C22-**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	18-30 VAC; 24 VAC nominal
Input Power	75 VA nominal (with heater)
Fuse	1.25 A
Auxiliary Outputs	2
Alarm Inputs	7

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.
Weight (approximate)	
Back Box	<u>Unit</u> 10.2 lb (4.6 kg)
Lower Dome	<u>Shipping</u> 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

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, Bosch (Philips, Burle), Sensormatic, Vicon, and NTCIP protocols.
VC-UTP	Converts video for use with unshielded twisted pair (UTP); cannot be used with TXB translator boards
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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