



Heavy-Duty Spectra® IV Series

BACK BOX AND LOWER DOME

Product Features

- Tough, Heavy-Duty Construction
- Improved Bubble Design
 - 0.090-Inch Injection Molded Polycarbonate
 - Increased Optical Clarity
 - 3.5X Stronger Than Previous Heavy-Duty Bubbles
 - Available in Clear and Smoked Bubble
- Trim Rings – Thick Aluminum Construction
- Protective Cage for Lower Dome (Optional)
- Built-in Back Box Memory
- 2 Auxiliary Outputs
- 7 Alarm Inputs
- Integrated Passive UTP Circuit
- Compatible with All Spectra® IV SE and Spectra IV Dome Drives
- In-Ceiling and Pendant Models Available
- Indoor/Outdoor Applications
- Pendant Models Meet NEMA Type 4X and IP66 Standards



IN-CEILING MODEL
BB4HD-F AND LD53HDF-1



ENVIRONMENTAL PENDANT
BB4HD-PG-E AND LD53HDCPB-1
(SHOWN WITH IWM-GY WALL MOUNT)

Pelco's **Heavy-Duty Spectra® IV** is ideal for installations where structural integrity and resistance to vandalism are a priority. Dual wall construction, added thickness, and a geometric design enhance the overall durability of the enclosure.

Three **Heavy-Duty Spectra IV** back box models are available. The in-ceiling model (BB4HD-F) has a reinforced mounting system for added security. The indoor pendant (BB4HD-PG) and environmental pendant (BB4HD-PG-E) models are strengthened by a thick shroud and dual wall construction, and meet NEMA Type 4X and IP66 standards. The environmental pendant includes a heater and fan.

The **Heavy-Duty Spectra IV** has all the features of the Spectra IV SE dome system (built-in back box memory, two auxiliary outputs, seven alarm inputs, integrated passive UTP circuit) and is also compatible with all Spectra IV SE and Spectra IV dome drives.

The lower dome of the **Heavy-Duty Spectra IV** meets Pelco's stringent standards for optical clarity and strength. The lower dome features a clear or smoked 0.090-inch polycarbonate bubble that is 3.5 times stronger than previous heavy-duty bubbles. The trim ring is all aluminum construction with two barrel-type key locks to increase the tamper resistance of the unit.

For installations that face the highest threat of vandalism, models are available with a protective cage (optional). The cage is designed to increase the protection of the unit's bubble with minimal obstruction of the viewed scene. The camera automatically focuses through the cage's bars at medium to high zoom settings, eliminating interference (as shown below). The cage is removable for cleaning purposes. Cage hardware is only accessible when the lower dome is removed.



C3419 / NEW 1-07

IP66



U.S. Patents D457,904 and D460,978

International Standards
Organization Registered Firm,
ISO 9001 Quality System



TECHNICAL SPECIFICATIONS

SYSTEM MODEL NUMBERS

Back Box Type	Lower Dome*	Cage	SPECTRA IV		SPECTRA IV SE			
			16X Color**	18X Day/Night**	22X Black-White**	22X Color**	23X Day/Night**	35X Day/Night**
In-Ceiling	Clear	No	SD4TC-HF1	SD418-HF1	SD4M22-HF1	SD4C22-HF1	SD4CBW-HF1	SD435-HF1
		Yes	SD4TC-HCF1	SD418-HCF1	SD4M22-HCF1	SD4C22-HCF1	SD4CBW-HCF1	SD435-HCF1
Indoor Pendant		No	SD4TC-HP1	SD418-HP1	SD4M22-HP1	SD4C22-HP1	SD4CBW-HP1	SD435-HP1
		Yes	SD4TC-HCP1	SD418-HCP1	SD4M22-HCP1	SD4C22-HCP1	SD4CBW-HCP1	SD435-HCP1
Environmental Pendant		No	SD4TC-HPE1	SD418-HPE1	SD4M22-HPE1	SD4C22-HPE1	SD4CBW-HPE1	SD435-HPE1
		Yes	SD4TC-HCPE1	SD418-HCPE1	SD4M22-HCPE1	SD4C22-HCPE1	SD4CBW-HCPE1	SD435-HCPE1

COMPONENT MODEL NUMBERS

Back Box	Lower Dome*	Dome Drive**
BB4HD-F In-ceiling, gray	LD53HDF-1 Clear, in-ceiling	DD4TC16 Color (NTSC) camera (16X)
BB4HD-PG Pendant, gray	LD53HDCF-1 Clear, in-ceiling with cage	DD4CBW18 Day/night (NTSC) camera (18X)
BB4HD-PG-E Environmental pendant, gray	LD53HDPB-1 Clear, pendant	DD4CBW Day/night (NTSC) camera (23X)
	LD53HDCPB-1 Clear, pendant with cage	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)

*Also available with smoked bubble. To order, replace the number 1 in the model number with a zero (0). Example: SD4TC-HF0 (system number) or LD53HDF-0 (component number).

**For PAL and CCIR models add "-X" suffix to part number. (Example: SD4C22-HF1-X or SD4CBW-HCF1-X).

***DD5-FM is ideal for use with Pelco's CCC1380/CCC1390/MCC1380 Series cameras with selected Pelco lenses.

GENERAL

Construction	
Back Box	Aluminum
Lower Dome	Clear or smoked polycarbonate, 0.09-inch thick
Cage	Thickness 0.12 x 0.30 cast stainless steel
Cage Color	Black, for maximum discreetness
Cable Entry (Back Box)	
In-ceiling	0.75-inch conduit fitting
Pendant	Through 1.5-inch NPT pendant mount
Weight (approximate)	
Back Box	
In-ceiling	2.17 lb (0.98 kg)
Pendant	4.45 lb (2.02 kg)
Environmental Pendant	4.75 lb (2.15 kg)
Lower Dome	
In-ceiling	1.6 lb (0.73 kg)
In-ceiling w/cage	3.6 lb (1.63 kg)
Pendant	1.83 lb (0.83 kg)
Pendant w/cage	3.83 lb (1.74 kg)
Environment	
In-ceiling	Indoor only
Pendant	Indoor/Outdoor
Environmental Pendant	Indoor/Outdoor
Dimensions	
Pendant	9.7" W x 10.1" H (24.64 cm x 25.65 cm)
In-ceiling	9.75" W x 8.5" H (24.77 cm x 21.59 cm)
Operating Temperature	
In-ceiling	32° to 122°F (0° to 50°C)
Pendant	32° to 140°F (0° to 60°C) absolute maximum operating temperature; 32° to 122°F (0° to 50°C) sustained maximum operating temperature
Environmental Pendant	(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°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
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ELECTRICAL

Input Voltage	18-32 VAC; 24 VAC nominal 22-27 VDC; 24 VDC nominal
Input Power	
24 VAC	23 VA nominal (indoor, without heater) 73 VA nominal (outdoor, with heater)
24 VDC	0.7 A nominal (indoor, without heater) 3 A nominal (outdoor, with heater)
Fuse	1.25 A
Auxiliary Outputs	2
Alarm Inputs	7

CERTIFICATIONS/RATINGS/PATENTS

- CE, Class B
- UL Listed
- UL Listed to Canadian safety standards
- FCC, Class B
- Meets NEMA Type 4X, IP66 standards (Pendant models)
- Meets NEMA Type 1, IP40 standards (In-ceiling models)
- U.S. Patents D457,904 and D460,978
- Complies with Argentina compliance requirements under Res. 92/98

OPTIONAL ACCESSORIES

HD-KEYS	1 set of keys for heavy duty lower dome
IPS-CABLE	Remote monitor cable and software kit
IPS-RDPE-2****	Remote data port
IPS-RMK	Remote monitor kit
TXB Series****	Translator boards for AD Manchester, Hervis, Bosch (Philips, Burle), Sensormatic, Vicon, and NTCIP protocols
FS85011****	Fiber transmitter modules

****If TXB or FS85011 boards are installed, remote code upload of system will not be possible.



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