



Heavy-Duty Spectra III™ 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
- Trim Rings – Thick Aluminum Construction
- Protective Cage for Lower Dome (Optional)
- Built-in Back Box Memory
- 2 Auxiliary Outputs
- 7 Alarm Inputs
- Compatible with All Spectra III™ SE and Spectra III Dome Drives
- In-Ceiling and Pendant Models Available
- Indoor/Outdoor Applications
- Pendant Models Meet NEMA Type 4X and IP66 Standards



**IN-CEILING MODEL
BB53HD-F AND LD53HDF-1**



**ENVIRONMENTAL PENDANT
BB53HD-PG-E AND LD53HDCPB-1
(SHOWN WITH IWM-GY WALL MOUNT)**

Pelco's **Heavy-Duty Spectra III™** 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 III** back box models are available. The in-ceiling model (BB53HD-F) has a reinforced mounting system for added security. The indoor pendant (BB53HD-PG) and environmental pendant (BB53HD-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 III** has all the features of the Spectra III SE dome system (built-in back box memory, two auxiliary outputs, seven alarm inputs) and is also compatible with all Spectra III SE and Spectra III dome drives.

The lower dome of the **Heavy-Duty Spectra III** 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.



IP66



C2429 / REVISED 2-06

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 III		SPECTRA III SE		
			16X Color**	18X Day/Night**	23X Day/Night**	22X Color**	22X Black-White**
In-Ceiling	Clear	No	SD53TC-HF1	SD5318-HF1	SD53CBW-HF1	SD53C22-HF1	SD53M22-HF1
Indoor Pendant		Yes	SD53TC-HCF1	SD5318-HCF1	SD53CBW-HCF1	SD53C22-HCF1	SD53M22-HCF1
		No	SD53TC-HP1	SD5318-HP1	SD53CBW-HP1	SD53C22-HP1	SD53M22-HP1
		Yes	SD53TC-HCP1	SD5318-HCP1	SD53CBW-HCP1	SD53C22-HCP1	SD53M22-HCP1
		No	SD53TC-HPE1	SD5318-HPE1	SD53CBW-HPE1	SD53C22-HPE1	SD53M22-HPE1
Environmental Pendant		Yes	SD53TC-HCPE1	SD5318-HCPE1	SD53CBW-HCPE1	SD53C22-HCPE1	SD53M22-HCPE1

COMPONENT MODEL NUMBERS

Back Box	Lower Dome*	Dome Drive**
BB53HD-F In-ceiling, gray	LD53HDF-1 Clear, in-ceiling	DD53TC16 Color (NTSC) camera (128X)
BB53HD-PG Pendant, gray	LD53HDCF-1 Clear, in-ceiling with cage	DD53CBW18 Day/night (NTSC) camera (180X)
BB53HD-PG-E Environmental pendant, gray	LD53HDPB-1 Clear, pendant	DD53CBW Day/night (NTSC) camera (230X)
	LD53HDCPB-1 Clear, pendant with cage	DD53C22 Color (NTSC) camera (264X)
		DD53M22 Black-white (EIA) camera (264X)
		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: SD53TC-HF0 (system number) or LD53HDF-0 (component number).

For PAL and CCIR models add "-X" suffix to part number. (Example: SD53C22-HF1-X** or SD53CBW-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	10.1" high x 9.7" diameter (25.65 cm x 24.64 cm)
In-ceiling	8.5" high x 9.75" diameter (21.59 cm x 24.77 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	18-30 VAC; 24 VAC nominal
Input Power	25 VA nominal (without heater) 70 VA nominal (with heater)
Fuse	1.25A
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, Bosch (Philips, Burle), Sensormatic, Vicon, and NTICP protocols.
VC-UTP	Converts video for use with unshielded twisted pair (UTP)
FS85011****	Fiber transmitter modules

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



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