

Heavy-Duty Spectra® IV SE 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 Are Constructed of Thick Aluminum
- Protective Cage for Lower Dome (Optional)
- Built-in Back Box Memory
- 2 Auxiliary Outputs
- 7 Alarm Inputs
- Integrated Passive UTP Circuit
- Compatible with 29X and 36X Spectra® IV SE Dome Drives
- In-Ceiling and Pendant Models Available
- Indoor/Outdoor Applications
- Pendant Models Meet NEMA Type 4X and IP66 Standards
- Ability to Add IP Network Capability by Purchasing Optional TXB-IP Module

Pelco's **Heavy-Duty Spectra® IV SE Series** 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 SE Series** 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 SE Series** 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 dome drives.

The lower dome of the **Heavy-Duty Spectra IV SE Series** 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.



IN-CEILING MODEL
BB4HD-F AND LD53HDF-1



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

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.



TECHNICAL SPECIFICATIONS

SYSTEM MODEL NUMBERS

Back Box Type	Lower Dome	Cage	29X Day/Night [†]	36X Day/Night [†]
In-Ceiling	Clear	No	SD429-HF1	SD436-HF1
		Yes	SD429-HCF1	SD436-HCF1
Indoor Pendant		No	SD429-HP1	SD436-HP1
		Yes	SD429-HCP1	SD436-HCP1
Environmental Pendant		No	SD429-HPE1	SD436-HPE1
		Yes	SD429-HCPE1	SD436-HCPE1

COMPONENT MODEL NUMBERS

Back Box		Lower Dome*		Dome Drive [†]	
BB4HD-F	In-ceiling, gray	LD53HDF-1	Clear, in-ceiling	DD429	Day/night (NTSC) camera (29X)
BB4HD-PG	Pendant, gray	LD53HDCF-1	Clear, in-ceiling with cage	DD436	Day/night (NTSC) camera (36X)
BB4HD-PG-E	Environmental pendant, gray	LD53HDPB-1	Clear, pendant	DD5-FM [‡]	Removable, fixed mount bracket only (camera and lens not included)
		LD53HDCPB-1	Clear, pendant with cage		

*Also available with smoked bubble. To order, replace the number 1 with a 0 (zero) in the model number (for example: SD436-HF0 or LD53HDF-0).

[†]For PAL and CCIR models add "-X" suffix to part number (for example: SD429-HF1-X or SD436-HCF1-X).

[‡]DD5-FM accepts camera and lens combinations including a BNC connector up to 12.70 x 6.99 x 6.99 cm (5.00" D x 2.75" W x 2.75" H).

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	Unit	Shipping
In-ceiling	2.17 lb (0.98 kg)	6 lb (2.72 kg)
Pendant	4.45 lb (2.02 kg)	6 lb (2.72 kg)
Environmental Pendant	4.75 lb (2.15 kg)	5 lb (2.27 kg)
Lower Dome		
In-ceiling	1.6 lb (0.73 kg)	3 lb (1.36 kg)
In-ceiling w/cage	3.6 lb (1.63 kg)	5 lb (2.27 kg)
Pendant	1.83 lb (0.83 kg)	3 lb (1.36 kg)
Pendant w/cage	3.83 lb (1.74 kg)	4 lb (1.81 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	

ELECTRICAL

Input Voltage	18 to 32 VAC; 24 VAC nominal 22 to 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
- FCC, Class B
- UL/cUL Listed
- C-Tick
- S Mark for Argentina
- 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

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
TXB Series [§]	Translator boards for AD Manchester, Hervis, Bosch® (Philips, Burle), TASS, and NTCIP protocols
TXB-N Series [§]	Network-based communication module that allows you to control and monitor Spectra IV dome systems over an IP network (in-ceiling and pendant models only). When TXB-N is installed in the camera's back box, the camera system supports Web and Endura connectivity to Pelco products and open architecture connectivity to third-party software. TXB-N provides simultaneous access to the camera from both an analog and IP-based control point.
FS85011A [§]	Fiber transmitter modules

[§]If TXB or FS85011A boards are installed, remote code upload of system will not be possible.

Pelco by Schneider Electric

3500 Pelco Way, Clovis, California 93612-5699 United States

USA & Canada Tel (800) 289-9100 Fax (800) 289-9150

International Tel +1 (559) 292-1981 Fax +1 (559) 348-1120

www.pelco.com www.pelco.com/community

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