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 27X and 35X 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

**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 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.

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.

International Standards
Organization Registered Firm;
ISO 9001 Quality System

TECHNICAL SPECIFICATIONS

SYSTEM MODEL NUMBERS

Back Box Type	Lower Dome	Cage	27X Day/Night[†]	35X Day/Night[†]
In-Ceiling	Clear	No	SD427-HF1	SD435-HF1
		Yes	SD427-HCF1	SD435-HCF1
Indoor Pendant		No	SD427-HP1	SD435-HP1
		Yes	SD427-HCP1	SD435-HCP1
Environmental Pendant		No	SD427-HPE1	SD435-HPE1
		Yes	SD427-HCPE1	SD435-HCPE1

COMPONENT MODEL NUMBERS

Back Box		Lower Dome*		Dome Drive[†]	
BB4HD-F	In-ceiling, gray	LD53HDF-1	Clear, in-ceiling	DD427	Day/night (NTSC) camera (27X)
BB4HD-PG	Pendant, gray	LD53HDCF-1	Clear, in-ceiling with cage	DD4CBW35	Day/night (NTSC) camera (35X)
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: SD435-HF**0** or LD53HDF-**0**).
[†]For PAL and CCIR models add "-X" suffix to part number (for example: SD427-HF1-**X** or SD435-HCF1-**X**).
[‡]DD5-FM is ideal for use with Pelco's C10DN-6, C10DN-6X, C10CH-6, C10CH-6X, CCC1390H-6, and CCC1390H-6X 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	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
IPS-RMK — Remote monitor kit
TXB Series[§] — Translator boards for AD Manchester, Hernis, Bosch® (Philips, Burle), TASS, and NTCIP protocols
TXB-IP Series[§] — Communication module that allows you to control and monitor Spectra IV dome systems over an IP network (in-ceiling and pendant models only).
FS85011A[§] — Fiber transmitter modules

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

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