

2310111003

Spectra Dome P/T Camera IP-66



Product image
not available

Description

- ✓ Two Autofocus, High Resolution Integrated LowLight™ Color Camera/Optics Packages
- ✓ Zone Blanking
- ✓ Window Blanking
- ✓ Camera Title Overlay, 20 User-Definable Characters
- ✓ On-Screen Compass and Tilt Display
- ✓ Password Protection
- ✓ Freeze Frame During Presets
- ✓ Built-in Surge and Limited Lightning Protection
- ✓ Integrated Passive UTP Circuit
- ✓ Internal Scheduling Clock

Modularity

Spectra® IV was designed with ease of installation and ease of maintenance in mind. Each dome system consists of three components: a back box, a dome drive, and a lower dome. These three system components are interchangeable with other Spectra IV dome systems, making retrofitting and application adjustments simple. Also, dome drives and lower domes can be removed and

replaced reducing maintenance time.

Back Box

Spectra IV back box options include the following models: environmental in-ceiling (ideal for outdoor soffits), indoor in-ceiling, indoor surface mount, standard and environmental pendant, heavy-duty, pressurized, and stainless steel. Each back box model features built-in back box memory to store camera and location-specific dome settings, including labels, presets, patterns, and zones. A passive UTP circuit is located on the door assembly for convenient video transmission through twisted pair wire. For added flexibility, Pelco fiber modules can also be attached to the door assembly for transmission over single-mode or multimode fiber.

Dome Drive

The Spectra IV dome drive's integrated optics package incorporates many advanced features that allow the system to produce high quality video in the most difficult environments. The day/night camera features 18X optical zoom and 12X digital zoom. The color camera is equipped with 16X optical zoom and 8X digital zoom. Both cameras in Spectra IV dome drives feature LowLight™ technology allowing the cameras to compensate for scenes where minimal light is present. The cameras also offer freeze frame between presets and window blanking.

Lower Dome

An important, but often overlooked, component of a high-speed dome system is the relationship between the dome bubble and the camera lens. Special consideration was taken when designing the Spectra IV lower dome bubble to ensure that an optimal optical relationship between the lens and achieved, providing crystal clear video at long focal lengths.

Dome Systems

Spectra IV dome systems feature many software enhancements that increase performance and make programming and operation easy. An internal scheduling clock allows for the scheduling of presets and patterns. Window blanking enables a user to program a four-sided, user-defined privacy area. Password protection prevents unauthorized users from changing the system settings. Programmable on-screen compass and tilt display provides positioning information when needed. Intuitive multilanguage on-screen programming can be displayed in English, Spanish, Portuguese, Italian, French, German, Russian, Polish, Turkish, and Czech.

Spectra IV's variable speed capabilities range from a smooth, fast pan motion of 400 degrees per second to a smooth "creep" speed of 0.1 degree per second. The system is capable of continuous 360 degrees rotation and has an "auto flip" feature that allows the dome to rotate 180 degrees and reposition itself for uninterrupted viewing of any subject that passes directly beneath the dome.

Optional diagnostic/installation tools (IPS-RMK and IPS-CABLE) allow the installer to view video, control PTZ, and perform system setup and software upgrades at the installation site.

Specifications

GENERAL

Construction

Back box

| | |
|------------|--------------------------|
| Surface | Plastic |
| In-Ceiling | Aluminum |
| Pendant | Aluminum |
| Dome Drive | Aluminum, thermo plastic |
| Bubble | Acryl |

Light Attenuation

| | |
|--------|-----------------------|
| Smoked | 1/2 F-stop light loss |
| Clear | Zero light loss |
| Chrome | 2 F-stops light loss |
| Gold | 2 F-stops light loss |

Cable Entry (Back Box)

| | |
|-------------------------------|------------------------------------|
| In- Ceiling and Surface Mount | 0.75-inch conduit fitting |
| Pendant | Through 1.5-inch NPT pendant mount |

| | | |
|----------------------|------|----------|
| Weight (approximate) | Unit | Shipping |
|----------------------|------|----------|

Back Box

| | | |
|---------------|------------------|----------------|
| Surface Mount | 0.7 lb (0.32 kg) | 2 lb (0.90 kg) |
| In-Ceiling | 1.5 lb (0.68 kg) | 2 lb (0.90 kg) |

Enviromental

| | | |
|--------------------|--------------------|----------------|
| In-Ceiling | 2.1 lb (0.95 kg) | 3 lb (1.36 kg) |
| Standard Pendant | 2.4 lb (1.09 kg) | 4 lb (1.81 kg) |
| Enviroment Pendant | 3.5 lb (1.59 kg)) | 5 lb (2.27 kg) |
| Dome Drive | 3.3 lb (1.48 kg) | 5 lb (2.27 kg) |

Lower Driver

| | | |
|---------------|------------------|----------------|
| Surface Mount | 0.4 lb (0.18 kg) | 1 lb (0.45 kg) |
| In-Ceiling | 0.2 lb (0.09 kg) | 1 lb (0.45 kg) |

Pendant and Enviromental

| | | |
|------------|-----------------|---------------|
| In-Ceiling | 0.6 lb(0.27 kg) | 2 lb(0.90 kg) |
|------------|-----------------|---------------|

Environment

| | |
|---------------|--------|
| Surface Mount | Indoor |
|---------------|--------|

| | |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| In-Ceiling | Indoor |
| Enviromental In-Ceiling | Outdoor |
| Pendant, Standard and Enviromental | Indoor/ outdoor |
| Operating Tempeature | |
| Surface Mount and Indoor In-Ceiling | 32° to 122 °F (0° to 50°C) |
| Standard Pendant | (Assumes no wind chill factor) |
| Maximum | 113°F (45°C) absolute maximum; |
| | 95°F (35°C) sustained maximum |
| Minimum | 25°F (-4°C) sustained minimum |
| Enviromental In-Ceiling and Enviromental Pendant | (Assumes no wind chill factor) |
| Maximum | 140°F (60°C) absolute maximum; |
| | 122°F (50°C) sustained maximum |
| Minimum | -60°F (-51°C) absolute minimum; prevents icing at sustained minimum of -50°F (-45°C); de-ices 0.1 inch (2.5 mm) within 3 hours after power-up |
| Effective Projected | |
| Area (EPA) | 20.5 square inches (without mount), 47 square inches (with IWM Series mount) |

MECHANICAL (DOME DRIVE ONLY)

| | |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Pan Movement | 360° continuous pan rotation |
| Vertical Tilt | Unobstructed + 2° to -92° |
| Manual Pan/ Tilt Speeds | |
| Pan | 0.1°-80°/sec manual operation, 150°/sec Turbo |
| Tilt | 0.1°-40°/sec manual operation |
| Preset Speeds | |
| Pan | 400°/sec |
| Tilt | 200°/sec |
| | For variable-speed operation an appropriate controller is required. (With non-variable speed control, Spectra IV pan/tilt speed is |

ELECTRICAL

| | |
|---------------|---------------------------------|
| Input voltage | 18-32 VAC; 24 VAC nominal |
| | 22-27 VDC; 24 VDC nominal |
| Input Power | |
| 24 VAC | 23 VA nominal (without heater); |
| | 73 VA nominal (with heater) |
| 24 VDC | 0.7 A nominal (without heater); |
| | 3 A nominal (with heater) |
| Fuse | 1.25 A |

CERTIFICATIONS / RATINGS / PATENTS

General

CE, Class B

UL Listed

UL Listed to Canadian
safety standards

Complies with Argentina
compliance requirements
under Res. 92/96

FCC, class B

| | |
|--------------|-------------------------------------------------------------------------|
| U.S. Patents | 5,931,432; 6,793,415 B2; 6,802,656 B2; 6,821,222 B2; 7,161,615 B2 |
|--------------|-------------------------------------------------------------------------|

Meets the following
standards:

NEMA Type 4X, IP66 when
installed properly (BB4T-F-
E, BB4T-PB, BB4T-PG, and
BB4T-PG-E)

NEMA Type 1, IP40 (BB4T-
SMW, BB4T-SMB, and
BB4T-F)