

EnviroDome[®] Camera Systems



Security Systems



Formerly known
as Philips CSI

- Day/Night, Color & B/W Versions
- 25x (Day/Night) or 18x Optical Zoom Range +12x Digital Zoom
- Weather-resistant Design
- Digital Image Stabilization (25x)
- Privacy Masking and Sector Blanking
- Remotely Configurable (Bilinx™, Biphas, RS-232, RS-485)
- Patented AutoPivot and Auto Scaling Features
- Revolutionary New AutoTrack Motion Tracking Option
- Three-year Warranty

Whatever the weather may bring, the EnviroDome maintains peak performance, making it the ideal solution for perimeter surveillance, parking lots and other outdoor applications. The EnviroDome has all of the features needed to capture the details missed by other cameras.

The revolutionary new AutoTrack feature (optional), built directly into the camera, marks a new generation in motion detection. AutoTrack not only senses movement, but zooms in on the target and follows it, leaving guards' hands free for other responsibilities.

Image control and quality are integral aspects of any outdoor surveillance system. The EnviroDome offers optical zoom lenses from 18x to 25x, and all systems offer a full 12x digital zoom once the end of the optical zoom is reached. In addition, the patented scaling feature ensures that you have optimal control for viewing at all zoom settings. To further improve picture quality, digital image stabilization compensates for camera movements caused by environmental conditions, ensuring a steady picture.

Effective surveillance cameras must also perform well under a range of lighting conditions. To enhance sensitivity when night falls, the Day/Night EnviroDome

automatically switches from color to monochrome by removing the infrared filter. Whether you program the camera to switch automatically, or use the manual switch, the result is optimal camera function, day or night. For ultimate sensitivity, the B/W camera can be used. For operation in the darkest conditions, the slow shutter control feature (standard on all Color and Day/Night EnviroDome cameras) automatically reduces the shutter speed to as little as 1 second. This increases sensitivity by more than 50 times.

In answer to concerns about personal privacy, the EnviroDome provides sector blanking and privacy masking. These features allow customization to ensure privacy for diverse needs.

Remote control, configuration, and updates can be performed over the video cable (coax or passive UTP) when using Bilinx-compatible control and configuration devices (such as VP-CFGSFT configuration tool or LTC 8016 Allegiant® Bilinx Interface).

Supported menu languages include: English, French, German, Spanish, Portuguese, and Polish.

Security you can rely on

BOSCH

The following are some of the features that make the EnviroDome one of the most flexible domes in the industry. These adjustments can be made by the installer to customize the EnviroDome's operation to meet a particular customer's needs.

Rugged Bubble (Option)

- Rugged Bubbles are made from 3mm thick Polycarbonate, designed to meet stringent strength standards without compromising optical clarity.
- The Bubble, by itself, can withstand a 100ft-pound impact. This energy is equivalent to that of a 10lb sledgehammer being dropped from a height of 10ft.
- The Bubble, installed in the Dome, exceeds the UL 1598 horizontal impact standard for lighting fixtures, by a factor of 10.

Camera Commands

- Picture quality settings such as **White Balance** and **Sharpness**.
- **Max Gain:** When Automatic Gain Control (AGC) is on, the EnviroDome allows selection of a specific **max** setting that the AGC can achieve, limiting graininess of the picture. The camera automatically adjusts to very low-light situations.
- **Slow Shutter (Frame Integration):** By slowing the shutter speed, the camera's sensitivity increases, resulting in visibility at much lower light levels. Available settings are *fully automatic*, or one of 6 specific shutter speeds.
- **Digital Zoom:** A full 12x digital zoom can be utilized once the maximum optical zoom has been reached. If digital zoom is not desired, it can be disabled.

Day/Night Commands

- **Night Mode:** This feature switches the camera from Color to Monochrome and removes the IR filter, thus increasing the camera's sensitivity in low light applications. Settings are *on*, *off*, or *fully automatic*.
- **Night Mode Threshold:** When set to *automatic*, this feature determines the light level at which the camera will switch to night mode.

- **Digital Stabilization (25X Versions):** Electronic compensation which filters out vibrations of up to 80% movement at 10Hz, as caused by wind and other environmental conditions.

Dome Commands

- **Sector Blanking:** Video blanking in up to 16 specified sectors within total field-of-view.
- **Privacy Masking:** Up to six (6) areas can be masked from visibility.
- **Guard Tours:** There are two styles of Guard Tours:
 1. The **preset tour** has capability for up to 99 presets, which can either be included or excluded from the tour. The dwell time can be specified, whereupon each of the included presets will be visited consecutively. This tour continues until operator intervention.
 2. **Recorded tours:** (2) are available, which have a combined duration of 15 minutes of movements. These are recorded *macros* of an operator's movements, including Pan, Tilt, and Zoom activities, and can be *played back* in a continuous manner. This creates a smoother, more thorough type of automated tour.
- **Inactivity:** When an operator stops manual control of a dome, the inactivity option determines what the dome should do next, if anything. The options are to *return to a specific preset*, *return to the automated tour previously executed*, or *do nothing*. The installer can determine the duration of the inactivity period.
- **Password Control:** This feature allows the installer to determine the security level of dome commands. Available settings are as follows:
 1. **Low** (any user can access any option).
 2. **Medium** (a published command unlocks the commands [OFF-90-ENTER]).
 3. **High** (a four digit (modifiable) password is required to unlock the commands).

Camera	18X COLOR/18X DAY/NIGHT	
Imager	1/4in IT CCD (752 x 582PAL)/(768 x 494NTSC)	
Lens	18X Zoom (4.1mm – 73.8mm) F1.4 to F3.0	
Focus	Automatic with Manual Override	
Iris	Automatic with Manual Override	
Field of View	2.7° to 48°	
Video Output	1.0Vp-p, 75Ω	
Gain Control	Off/Auto (with Adjustable Limit)	
Synchronization	Line-Lock (–120 to 120° Vertical Phase Adjust) or Internal Crystal	
Aperture Correction	Horizontal and Vertical	
Digital Zoom	12X	
Horizontal Resolution	470TVL (NTSC)/460TVL (PAL)	
Sensitivity (Minimum Usable Video: 20IRE)		
	18X COLOR	18X DAY/NIGHT
- Day Mode w/Slow Shutter Off	0.25lux	0.25lux
- Night Mode w/Slow Shutter Off	–	0.031lux
- Day Mode w/Slow Shutter On	0.0033lux	0.0033lux
- Night Mode w/Slow Shutter On	–	0.0005lux
Sensitivity (Usable Video: 50IRE)		
	18X COLOR	18X DAY/NIGHT
- Day Mode w/Slow Shutter Off	0.7lux	0.7lux
- Night Mode w/Slow Shutter Off	–	0.166lux
- Day Mode w/Slow Shutter On	0.0082lux	0.0082lux
- Night Mode w/Slow Shutter On	–	0.0013lux
SNR	>50 dB	
White Balance	2000k to 10,000k	

Camera:	25X DAY/NIGHT	
Imager	1/6-in IT CCD (752 x 582PAL)/(768 x 494NTSC)	
Lens	25X Zoom (2.4 – 60mm) F1.6 to F2.7	
Focus	Automatic with Manual Override	
Iris	Automatic with Manual Override	
Field of View	2.0° to 45°	
Video Output	1.0Vp-p, 75Ω	
Gain Control	Off/Auto (with Adjustable Limit)	
Synchronization	Line-Lock (–120 to 120° Vertical Phase Adjust) or Internal Crystal	
Aperture Correction	Horizontal and Vertical	
Digital Zoom	12X	
Horizontal Resolution	470TVL (NTSC)/460TVL (PAL)	
Sensitivity (Minimum Usable Video: 20IRE)		
- Day Mode w/Slow Shutter Off	2.0lux	
- Night Mode w/Slow Shutter Off	0.25lux	
- Day Mode w/Slow Shutter On	0.02lux	
- Night Mode w/Slow Shutter On	0.005lux	
Sensitivity (Usable Video: 50IRE)		
- Day Mode w/Slow Shutter Off	3.3lux	
- Night Mode w/Slow Shutter Off	1.3lux	
- Day Mode w/Slow Shutter On	0.05lux	
- Night Mode w/Slow Shutter On	0.013lux	
SNR	>50dB	
White Balance	2000k to 10,000k	

Camera	18X MONOCHROME	
Imager	1/4in IT CCD (752 x 582CCIR)/(768 x 494EIA)	
Lens	18X Zoom (4.1mm – 73.8mm) F1.4 to F3.0	
Focus	Automatic with Manual Override	
Iris	Automatic with Manual Override	
Field of View	2.7° to 48°	
Video Output	1.0Vp-p, 75Ω	
Gain Control	Off/Auto (with Adjustable Limit)	
Synchronization	Line-Lock (–120 to 120° Vertical Phase Adjust) or Internal Crystal	
Aperture Correction	Horizontal and Vertical	
Digital Zoom	12X	
Horizontal Resolution	520TVL (typ)	
Sensitivity (Minimum Usable Video: 20IRE)	0.031lux	
Sensitivity (Usable Video: 50IRE)	0.1lux	
SNR	>50dB	
White Balance	N/A	

Environmental	
Humidity	0% to 100% Relative, Condensing
Ingress Protection	IP66, NEMA 4X
Operating Temp	–40°C to 50°C (–40° F to 122° F)
Storage Temp	–40°C to 60°C (–40° F to 140° F)

Mechanical	
Weight	5.9kg (13lb)
Pan/Tilt	360° Continuous Pan, –5° to 90° Tilt From Horizontal Plane
Pre-position Speed	360°/sec, ± 0.50° Accuracy
Variable Speed	120°/sec

Miscellaneous	
Sectors/Titling	16 Independent Sectors with 16-Character Titles/Sector
Camera Setup/Control	Biphase or RS-232
Pre-positions	99 Each with 16-Character Titles
Guard Tours	2 Types of Tours: Recorded Tours - Two (2), Totaling 15 Minutes Duration for Both; Preset Tour - One (1), Consisting of up to 99 Scenes Consecutively
Addressing	FastAddress Remote Addressing or 4 Digit Thumbwheel
Supported Languages	English, French, German, Spanish, Portuguese, and Polish
Safety Marks	CE, UL

