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Overview

Each CyberDome® camera has different options for optical and digital zoom, programmable presets, lines of resolution, black and white or color camera, lux sensitivity, presets, and shadow tours. Outdoor, indoor, day or night, a CyberDome camera is available to fit your needs.

Outstanding Features

All cameras provide line lock, a feature that synchronizes all CyberDomes' vertical phases to prevent picture roll during video and switching operations.

The CyberDome camera provides a full range of pan, tilt, and zoom movements that can be controlled with speeds up to 400 degrees per second between preset positions. Manual control speeds vary between 0.5 degree and 120 degrees per second. Optical disk readers keep track of the camera's position, and high-quality gold slip rings enable a full 360-degree pan.

High-grade, continuous-duty stepper motors power the smooth movements of the pan/tilt assembly. These microprocessor-controlled motors provide clean, variable speed control for precise manual operation at the highest magnifications with a preset accuracy to ± 0.01 degree.

After the camera is installed, auto/manual focus, digital zoom, backlight compensation, and other options can be programmed and controlled remotely.

Privacy masking is available on the 18X Day-Nite and the 25X Day-Nite cameras. This feature allows you to mask out areas that you don't want to capture on video.

CyberDome Cameras

High Quality Camera Options for Superior Surveillance



Standard Features

- **Several camera options to fit your specific need**
- **Integrated camera**
- **UTP video transmission option**
- **Optical and digital zoom**
- **Auto/manual focus**
- **360-degree continuous pan**
- **Auto return function**
- **Programming options: 32 to 64 programmable presets**
- **Privacy masking**

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CyberDome Classic 22X B/W

The CyberDome Classic offers a super high resolution black and white camera with 22X optical zoom that includes digital zoom up to 12X. Includes 64 programmable presets; two four-minute tours and two 16-position preset, linkable tours.

CyberDome Classic 22X Color

The CyberDome Classic 22X is also available in a superior high resolution color camera. It includes all the options of the Classic 22X.

CyberDome Select 18X Color

The CyberDome Select 18X is an economical, high resolution, high-speed surveillance dome. The CyberDome Select 18X is equipped with an integrated color camera sensitive to 2.0 lux, 18X auto focus zoom lens with 12X digital zoom.

The CyberDome Select 18X also features ShadowTour™, a learned tour that enables the user to program up to four minutes of manual operation. Additional features include autoiris; auto or manual focus; 32 programmable presets; 32 preset titles; and auto return to tour, return to home, and return to autopan.

CyberDome Day-Nite 18X

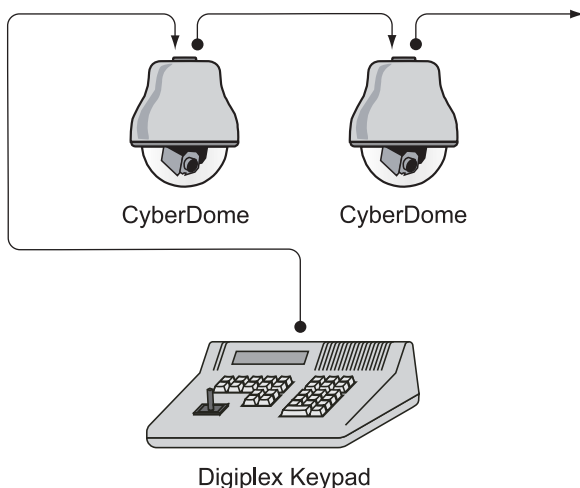
With its integrated color and monochrome camera and 18X auto-focus zoom lens, the CyberDome Day-Nite is one of the most advanced high speed surveillance domes. Its innovative, high resolution camera features a removable infrared cut filter—enabling it to be used for 24-hour surveillance. In daylight, it functions as a color camera sensitive to 0.7 lux. At night, when the light level drops below a user defined setting, it automatically removes the IR cut filter—enabling it to function as a monochrome camera with 0.01-lux sensitivity.

Electronic shutter control increases photosensitivity. By reducing the shutter speed from 60 frames per second to 4 frames per second, the Day-Nite's camera becomes 15 times more sensitive to light, temporarily enhancing images in low-light conditions.

Additional features include 12X digital zoom; an azimuth feature for displaying the camera's direction of view; autoiris with manual override; auto or manual focus; backlight compensation; 64 programmable presets; 64 preset and area titles; and auto return to home, tour, and autopan. It also features up to four camera tours including two ShadowTours. Privacy masking allows for 24 user defined masks with a maximum of eight visible in the viewing screen.

CyberDome Day-Nite 25X

This camera includes many of the same features as the CyberDome Day-Nite 18X but with a 25X optical zoom lens. This high resolution camera features sensitivity to 2.5 lux in daylight and 0.2 lux sensitivity at night when switched to the monochrome camera. An additional feature of this camera is image stabilization, which minimizes the appearance of shaky images caused by frequency vibration.

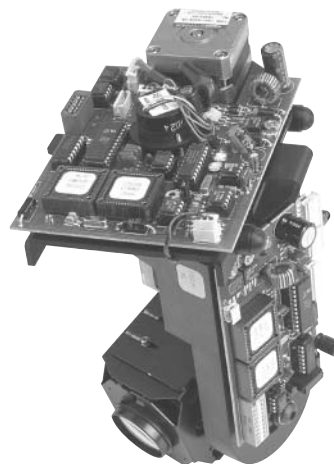


Variable Speed Control

A Digiplex® keypad can control multiple CyberDomes with speeds up to 400 degrees per second between preset positions.

Pan/Tilt/Zoom Cameras

CyberDome's computer-controlled pan-tilt motors move the camera up to 400 degrees per second between presets. And with 18X to 25X optical magnification, you can capture important details like license plate numbers. You can further enlarge your images with a 12X digital zoom.



CyberDome Camera Special Features

| | <i>Day-Nite 18X</i> | <i>Day-Nite 25X</i> | <i>Classic 22X</i> | <i>Select 18X</i> |
|--------------------------------------|--|--|---------------------------|--------------------------|
| <i>Optical Zoom</i> | 18X | 25X | 22X | 18X |
| <i>Digital Zoom</i> | 12X | 12X | 12X | 12X |
| <i>Color or B/W</i> | Color & Monochrome | Color & Monochrome | Color or B/W | Color |
| <i>TV Lines of Resolution</i> | 470 | 470 | 500 color, 470 B/W | 470 |
| <i>Programmable Presets</i> | 64 | 64 | 64 | 32 |
| <i>Camera Tours</i> | Two 4-minute tours | Two 4-minute tours | Two 4-minute tours | One 4-minute tour |
| <i>Sensitivity</i> | 0.7 lux color; 0.01 lux monochrome | 2.5 lux color; 0.2 lux monochrome | 1 lux color; 0.1 lux B/W | 2.0 lux color |
| <i>Backlight Compensation</i> | Yes | Yes | Yes | Yes |
| <i>Line Lock</i> | Yes | Yes | Yes | Yes |
| <i>Privacy Masking</i> | Yes | Yes | No | No |
| <i>Image Stabilization</i> | No | Yes | No | No |
| <i>Additional Features</i> | Automatic switching between color and monochrome modes | Automatic switching between color and monochrome modes | | |

CyberDome Cameras

High Quality Camera Options for Superior Surveillance

Specifications

Classic 22X Color and B/W Camera

- Signal format: NTSC/EIA or PAL/CCIR
- Optical zoom: 22X
- Digital zoom: 12X
- Scanning frequency
Horizontal: 15.734 kHz NTSC/EIA, 15.625 kHz PAL/CCIR
Vertical: 59.94 Hz NTSC/EIA, 50 Hz PAL/CCIR
- Image sensor: 1/4 in type CCD
- Total pixels: 811 x 508, 410K NTSC/EIA, 795 x 596, 470K PAL/CCIR
- Lens: F1.6(w)-F3.8(t), f = 4.0 to 88 mm, 22X zoom, auto focus
- Optical zoom: 22X
- Digital zoom: 12X
- Angle of view: 47.3° (wide), 2.2° (tele)
- Focus length: Inf. 0.01 m (wide), 1.0 m (tele)
- Synchronization system: Internal/line lock
- Horizontal resolution: 470 TV lines NTSC; 460 TV lines PAL (500 TV lines EIA and CCIR)
- Signal-to-noise ratio: > 50 dB
- Sensitivity: 1.0 lux (color) (0.01 lux b/w AGC on, F1.6 wide)

CyberDome Select 18X Camera

- Signal format: NTSC/PAL
- Scanning frequency
Horizontal: 15.734 kHz NTSC
Vertical: 59.94 Hz NTSC
- Image sensor: 1/4 in type CCD
- Total pixels: 768 H x 494 V NTSC; 752 H x 582 V PAL
- Lens: F1.4, f = 4.1 to 73.8 mm, 18X zoom, auto focus
- Optical zoom: 18X

- Digital zoom: 12X
- Angle of view: H: 48° (wide), 2.7° (tele)
- Focus length: Inf. 0.01 m (wide), 1.0 m (tele)
- Synchronization system: Internal/line lock
- Horizontal resolution: 470 TV lines NTSC; 460 TV lines PAL
- Signal-to-noise ratio: > 50 dB
- Sensitivity: 2.0 lux color
- Video output: Composite, 1.0 V pk-pk
- Electronic shutter: 1/1 to 1/10,000 sec NTSC; 1/1 to 1/10,000 sec PAL

General Day-Nite Specifications

- Signal format: NTSC/PAL
- Scanning frequency
Horizontal: 15.734 kHz NTSC
Vertical: 59.94 Hz NTSC
- Total pixels: 768 H x 494 V NTSC; 752 H x 582 V PAL
- Horizontal resolution: 470 TVL NTSC; 460 TVL PAL

Day-Nite Camera 18X specific

- Image sensor: 1/4 in type CCD
- Lens: 18X zoom, F4.1 mm (wide) to 73.8 mm (tele), F1.4 to F3.0
- Optical zoom: 18X
- Digital zoom: 12X
- Angle of view: 48° wide to 2.8° tele
- Synchronization system: Internal/line lock
- Signal-to-noise ratio: > 50 dB
- Sensitivity: 0.7 lux color, 0.01 lux monochrome
- Video output: Composite, 1.0 V pk-pk
- Electronic shutter: 1/1 to 1/10,000 sec 22 steps NTSC; 1/1 to 1/10,000 sec 22 steps PAL

Day-Nite Camera 25X specific

- Image sensor: 1/6 type CCD
- Lens: 25X zoom, f = 2.4 mm (wide) to 60 mm (tele), F1.6 to F2.7
- Optical zoom: 25X
- Digital zoom: 12X
- Angle of view: 45° wide to 2° tele
- Synchronization system: Internal/line lock
- Signal-to-noise ratio: 49 dB
- Sensitivity: 2.5 lux color, 0.2 lux monochrome
- Video output: Composite, 1.0 V pk-pk
- Electronic shutter: 1/1 to 1/10,000 sec 22 steps NTSC; 1/1 to 1/10,000 sec 20 steps PAL

Operational

- Pan travel: 360°
- Tilt travel: 90°
- Speed
Manual: 0.5° to 120°/sec variable
Preset: Up to 400°/sec, 200°/sec average point to point

Ratings and Certifications

- Pan/tilt unit: UL-recognized component, E210367. Compliant to UL standard 2044.



GE Security

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