

CHAMBER ACCESSORIES 4340 HD-CCTV Systems

ETS-Lindgren's Model 4340 Shielded Fiber Optic HD-Camera System (CCTV) is an EMI hardened camera system or EMC chamber camera.



ETS-Lindgren's Model 4340 Shielded Fiber Optic HD-Camera System (CCTV) provides a cost effective means of visual monitoring in areas where EMI field strengths are present. The use of fiber optics as the transmission medium eliminates the conduction of interference in test areas. Additionally, all images gathered by the CCTV system can be recorded on a hard drive.

Key Features

- RF Hardened Camera System
- HD1920 x 1080 H.264/265/JPG Dome Network Camera (1920 x 1080 @ 60 Frames Per Second)
- Powerful 21x Optical Zoom With a 31x Additional Component
- Lens with Control of Focus, Pan, Tilt, Iris and Zoom
- Transmission to 500 Meters (fiber optic) Battery or Mains Power (Dependent Upon Option Chosen)

Features

Camera

This EMI and RF hardened camera system is provided with a HD-1920 x 1080 H.265/264/JPG Dome Network color camera fitted with a 21x, with a 31x additional component. The camera system uses a fiber optic converting unit to encode the video signal for optical transmission and is perfect for installing in a chamber.

RF Shielding

The Model 4340 Shielded Fiber Optic HD-Camera System (CCTV) is one of the only RF hardened camera systems on the market. Integrity is provided by a fully gasketed case with a shielded dome. A wall or ceiling mount is included. Ordering the Model 4340 camera with the -03 option, permits mounting on a non-metallic tripod with portable battery-powered operation.

Control Unit

The Model 4340 is controlled via PC from an internet browser. This flexibility allows for remote monitoring from another room, building or location. For added convenience, the Model 4340 can be monitored by multiple PCs at one time, if network attached.

Cabling

The 4340 camera system is supplied with either a 30 m ethernet cable (4340-01) or a fiber-optic (4340-02) cable assembly. Other lengths may be ordered optionally.

Monitor

A flat panel 120/240 VAC color monitor is supplied with the CCTV Model 4340.

Application

The CCTV camera system is ideal for use in large or small shielded enclosures for personnel safety monitoring and fixed EUT monitoring.

¹36x Optical Zoom Available at VGA Resolution

Specifications

Electrical Specifications

Pixel Resolution: HD-1280x960 at 30 fps

Aspect Ratio: [4 : 3]

- H.264/265: 1920 × 1080 / 1260 × 960 / 800 × 600 / VGA (640 × 480) / QVGA (320 × 240) up to 60 fps
- MPEG-4: VGA (640 × 480) / QVGA (320 × 240), up to 60 fps
- JPEG (MJPEG): 1,280 × 960 / 800 × 600 / VGA (640 × 480)
- QVGA: (320 × 240), up to 60 fps

Aspect ratio: [16 : 9]

- H.264/265: 1920 × 1080 / 1280 × 720 / 640 × 360 / 320 × 180, up to 60 fps
- JPEG (MJPEG): 1920 × 1080 / 1280 × 720 / 640 × 360 / 320 × 180, up to 60 fps

Frames Per Second: 60 FPS Maximum

Maximum Illumination:

- Color: 0.015 lx;
- B&W: 0.31 lx

Lens: Selectable 21x Optical With additional 31x

Pan Angle: 0° +/- 350°

Pan Speed: Approximately 300° Per Second

Tilt Speed: Approximately 200° Per Second

Physical Specifications

Length: 11.4 cm (4.5 in)

Width: 13.7 cm (5.4 in)

Height: 11.4 cm (4.5 in)

Weight: 12.7 kg (28.0 lb)

Other Specifications

- HD- 1920 x 1080 H.264/265 Dome Network Camera Unit with 21x Optical Zoom and a 31x Additional Comp.
- PC with Flat Panel Monitor
- 30 m Ethernet Cable or F/O Cable or Tripod Mount
- 10/100 Ethernet Filter
- Mounting Hardware for Wall or Ceiling Mounting
- Power Supply
- Multi-Camera Switch (4 Port)