

D-SERIES

Network-Enabled Outdoor Dome Thermal Security Camera



MULTI-SENSOR THERMAL SECURITY CAMERA IN NETWORKED OUTDOOR DOME ENCLOSURE

D-Series thermal security cameras let you see intruders and other threats to your facility's security clearly in total darkness and in bad weather. The D-Series outdoor dome enclosure provides precision pan/tilt control while providing fully programmable scan patterns, radar slew-to-cue, and slew-to-alarm functionality. Fully enabled for control and operation over IP and serial networks, D-Series systems let you deploy a thermal imager with either 640 x 480 or 320 x 240 resolution, and a day/night 36x zoom color CCD camera.

FLIR's D-Series thermal multi-sensor security dome cameras are the perfect replacement for legacy dome cameras, providing clear 24/7 imaging capability in an attractive, discrete dome-style enclosure.

BENEFITS OF D-SERIES THERMAL SECURITY CAMERAS:

- 640 x 480 thermal resolution for four-times the resolution, longer detection ranges, and better image quality
- High-quality 24/7 thermal video security coverage
- Broad range of lenses available for the thermal camera: choose from lenses with focal lengths from 9 mm to 35 mm, and FOVs from 48° to 13°
- Day/night 36x zoom color CCD video camera
- Simultaneous visible-light and thermal video outputs ensure optimal imaging performance in a wide variety of conditions
- Precision, rugged outdoor dome enclosure provides 360° continuous pan and +45° to -180° tilt for uninterrupted coverage
- Auto Digital Detail Enhancement (DDE) built in for optimal image quality across all scene conditions
- Open IP standards for plug-and-play integration and configuration in digital networks
- Multiple channels of streaming digital video available in H.264, MPEG-4, or M-JPEG formats
- FLIR Sensor Manager single-device version included



Thermal cameras can complement CCD cameras during the day in situations where contrast is low.

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Camera Platform Type Outdoor PTZ Multi-Sensor Dome Outdoor PTZ Multi-Sensor Dome

THERMAL CAMERA SPECS

| | | |
|----------------------|---|--|
| Array Format (NTSC) | 320 x 240 | 640 x 480 |
| Detector Type | Long-Life, Uncooled VOx Microbolometer | Long-Life, Uncooled VOx Microbolometer |
| Effective Resolution | 76,800 | 307,200 |
| Pixel Pitch | 25 µm | 17 µm |
| Field of View | 48° x 39° (D-348; 9 mm) 34° x 28° (D-334; 13 mm) 24° x 19° (D-324; 19 mm) 13° x 10° (D-313; 35 mm) | 45° x 37° (D-645; 13 mm) 25° x 20° (D-625; 25 mm) 18° x 14° (D-618; 35 mm) |
| Zoom | 2x & 4x E-zoom | 2x & 4x E-zoom |
| Spectral Range | 7.5 µm to 13.5 µm | 7.5 µm to 13.5 µm |
| Focus Range | Athermalized, focus-free | Athermalized, focus-free |

OUTPUTS

| | | |
|-----------------------------|---|---|
| Composite Video NTSC or PAL | Standard | Standard |
| Video Over Ethernet | Two independent channels of streaming MPEG-4, H.264, or MJPEG for each of two cameras | Two independent channels of streaming MPEG-4, H.264, or MJPEG for each of two cameras |

CONTROL

| | | |
|------------------------------|-----------------------------|-----------------------------|
| Point To Point (stand alone) | Standard | Standard |
| Ethernet | Standard | Standard |
| Serial | RS-232/-422; Pelco D, Bosch | RS-232/-422; Pelco D, Bosch |
| Network Enabled | Standard | Standard |

PAN/TILT PERFORMANCE

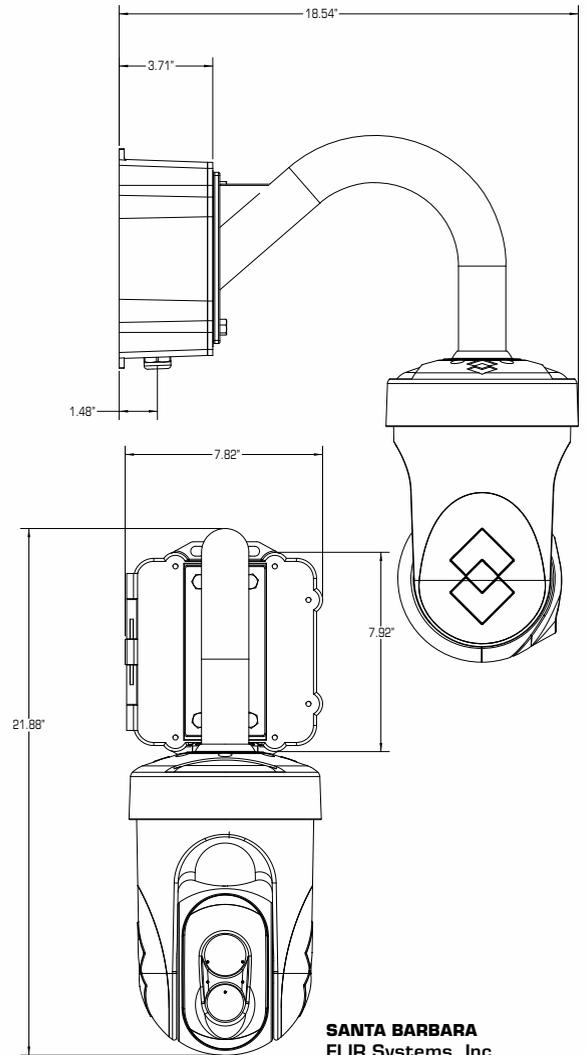
| | | |
|----------------------|----------------------------------|----------------------------------|
| Pan Angle/Speed | Continuous 360°; 0.5° to 60°/sec | Continuous 360°; 0.5° to 60°/sec |
| Tilt Angle/Speed | +45° to -180°; 0.5° to 60°/sec | +45° to -180°; 0.5° to 60°/sec |
| Programmable Presets | | |

GENERAL

| | | |
|--------------------|---|---|
| Weight | ~23 lb | ~23 lb (configuration dependent) |
| Dimensions (L,W,H) | 18.54" x 7.82" x 21.88" (overall) (471 mm x 199 mm x 556 mm) 7" (dia.) x 11.2" (ht.) (imager only) (178 mm x 285 mm) (plus mounting hardware) | 18.54" x 7.82" x 21.88" (overall) (471 mm x 199 mm x 556 mm) 7" (dia.) x 11.2" (ht.) (imager only) (178 mm x 285 mm) (plus mounting hardware) |
| Power Requirements | 24 VDC (21 to 30 VDC) or 24 VAC (20 to 30 VAC) | 24 VDC (21 to 30 VDC) or 24 VAC (20 to 30 VAC) |
| Power Consumption | 24 VAC: 40 VA nominal, 85 VA max w/heater 24 VDC: 30 W nominal, 75 W max w/heater | 24 VAC: 40 VA nominal, 85 VA max w/heater 24 VDC: 30 W nominal, 75 W max w/heater |

DAY/NIGHT CCD CAMERA

| | | |
|-------------------------|------------------------------|------------------------------|
| | Sony FCB-EX1010 | Sony FCB-EX1010 |
| Sensor Type | 1/4" Exview HAD CCD | 1/4" Exview HAD CCD |
| Lens Field Of View | 57.8° (h) to 1.7° (h) | 57.8° (h) to 1.7° (h) |
| Focal Length | 3.4 mm to 122.4 mm | 3.4 mm to 122.4 mm |
| Zoom | 36x Optical zoom, 12x E-zoom | 36x Optical zoom, 12x E-zoom |
| F/# | 1.6 to 4.5 | 1.6 to 4.5 |
| Effective pixels (NTSC) | 380,000 | 380,000 |



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