D-Series

Compact Network-Enabled Outdoor Dome Thermal Cameras



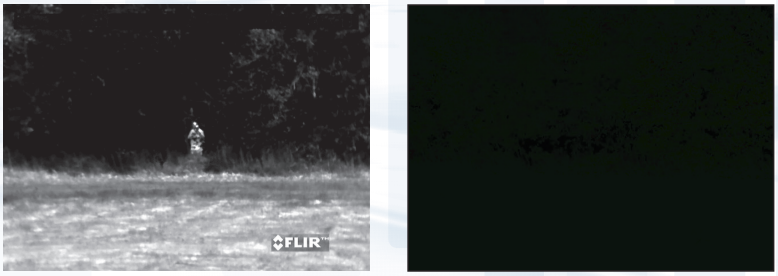
D-Series

The NEW compact D-Series thermal security camera lets you see intruders and other threats to your facility's security clearly in total darkness and in bad weather. Get precise pan/tilt control and fully programmable scan patterns, radar slew-to-cue, and slew-to-alarm functionality.

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.

Features

- 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.

Specifications

Camera Model	D-Series C	
Camera Platform Type	Outdoor PTZ Dome	
Thermal Camera Specifications		
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	
Focus Range	Athermalized, focus-free	
Video Outputs		
Composite Analog Video	NTSC or PAL, Standard	
Streaming Video Compression	Two independent channels of streaming MPEG-4, H.264, or M-JPEG	
Streaming Resolutions	D1, 4CIF, VGA, SIF, QVGA	
Thermal Video Optimization		
AGC Modes	Auto AGC, Manual AGC, Plateau Equalization AGC, Linear AGC, Auto Dynamic Detail Enhancement (DDE), Max Gain Setting,	
Region of Interest	Full	
Image Uniformity Optimization	Automatic - Thermal and Temporal Triggers	
Network Integration		
Supported Protocols	IPV4, HTTP, Bonjour, UPnP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, ICMP, IGMP, DHCP, ARP, SCP	
System Integration		
Windows SDK	Nexus	
CGI	Nexus	
ONVIF Conformance	ONVIF 1.02	
Serial Control	RS-232/-422; Pelco D, Bosch	
Pan/Tilt Performance		
Pan Angle/Speed	Continuous 360°; 0.5° to 60°/sec	
Tilt Angle/Speed	+45° to -180°; 0.5° to 60°/sec	
Programmable Presets	128	
General		
Weight	18.2 lb/8.3 kg (configuration dependent)	
Dimensions	17" (h) x 8" (dia) (Consult ICD for details)	
Input Voltage	24 VAC (21-30 VAC) 24 VDC (21-30 VDC)	
Power Consumption (Consult product manuals for detailed power requirements)	Maximum power at 24 VAC = 85 VA Maximum power at 24 VDC = 75 W	
Visible Light Camera		
Sensor Type Lens Field of View Focal Length Zoom F/# Horizontal Resolution	1/4" Exview HAD CCD 57.8°(h) to 1.7°(h) 3.4 mm to 122.4 mm 36x Optical zoom, 12x E-zoom 1.6 to 4.5 550 TVL	
Effective Pixels (NTSC)	380,000	

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