

D-Series

Compact, Network-Enabled Outdoor Dome Thermal Camera

The next level of security.



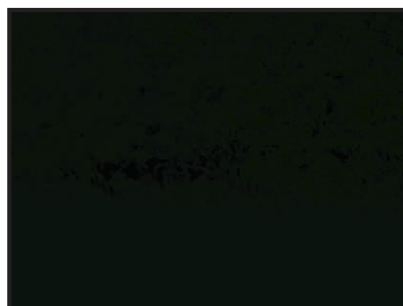
Multi-sensor thermal security camera in a NEW compact outdoor dome

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.

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.



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	1/4" Exview HAD CCD		
Lens Field of View	57.8°(h) to 1.7°(h)		
Focal Length	3.4 mm to 122.4 mm		
Zoom	36x Optical zoom, 12x E-zoom		
F/#	1.6 to 4.5		
Horizontal Resolution	550 TVL		
Effective Pixels (NTSC)	380,000		



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