VISIBLE AND THERMAL PAN/TILT DOME

TRITON™ D-Series

The compact Triton™ D-Series thermal security camera reveals intruders and other security threats in complete darkness and inclement weather using a discrete dome-style enclosure. The camera offers precise pan/tilt control and fully-programmable scan patterns, radar slew-to-cue, and slew-to-alarm functionality via IP standards. The result is clear 24/7 imaging capability.

www.flir.com/thermal-security

LONGER THERMAL RANGES

Featuring a 640 × 480 thermal resolution and multiple lens options, the D-Series performs over long distances

- Focal lengths ranging from 9–35 mm
- Field of View (FOV) options between 13° and 48°
- High-quality 24/7 thermal video security coverage
- Open IP standards for plug-and-play integration and configuration in digital networks

PRECISION PAN/TILT

Dynamic camera movement and a rugged housing stand up to elusive targets and difficult conditions

- 360° continuous pan and +45° to -180° tilt for uninterrupted coverage
- Pan/Tilt speeds up to 60°/second
- A rugged dome enclosure offers protection to key components in harsh weather

VISIBLE DAY/NIGHT CAMERA

An onboard CCD video camera offers simultaneous visible light imaging in a wide variety of environmental conditions

- Day/night 36× zoom color CCD video camera
- Simultaneous visible light and thermal video outputs ensure optimal imaging performance in a wide variety of conditions
- Auto Digital Detail Enhancement (DDE) maintains image quality in challenging conditions

SPECIFICATIONS

Outdoor PTZ Dome	320 x 240 models	640 x 480 models
Array Format (NTSC)	320 × 240 pixels	640 × 480 pixels
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° × 39° (D-348; 9 mm) 34° × 28° (D-334; 13 mm) 24° × 19° (D-324; 19 mm) 13° × 10° (D-313; 35 mm)	45° × 37° (D-645; 13 mm) 25° × 20° (D-625; 25 mm) 18° × 14° (D-618; 35 mm)
Zoom	2× & 4× E-zoom	2× & 4× 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	
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) × 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	36× Optical zoom, 12× E-zoom
F/#	1.6 to 4.5
Horizontal Resolution	550 TVL
Effective Pixels (NTSC)	380,000

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