



MULTI-SPECTRAL PTZ CAMERA

FLIR Elara™ DX-Series

The FLIR Elara DX multi-spectral pan/tilt/zoom (PTZ) security camera provides full situational awareness in the most punishing environments. Combining thermal and visible light imagers, the Elara DX gives operators the ability to monitor large areas in complete darkness, glaring light, and adverse weather. The exceptional detection and identification capabilities of multi-spectral cameras help integrators provide high-quality solutions for challenging imaging problems at critical infrastructure sites and remote facilities.

www.flir.com/security



MULTI-SPECTRAL IMAGING IN ANY CONDITION

Integrated thermal and visible sensors capture sharp video where other PTZ cameras cannot.

- Thermal sensor provides complete awareness in rain, snow, light fog, and total darkness
- 4K visible resolution produces exceptional clarity
- Onboard IR illuminator enables excellent low light visible imaging
- Visible sensor optical zoom up to 31x



DESIGNED TO WITHSTAND EXTREME ENVIRONMENTS

Built to handle the challenges of critical infrastructure sites and other demanding locations.

- IP66- and NEMA-4X-rated
- Available lens wiper/washer keeps lenses clean and clear in remote installations
- Extreme operating temperature range of -40°C to 60°C
- Discreet pendant form factor



BUILT-IN, HIGH-QUALITY CYBERSECURITY HARDENING

Enhanced cybersecurity measures safeguard system from developing threats.

- Easy-to-use web interface simplifies set-up across all FLIR security cameras
- Regular firmware updates offer additional features and security improvements

SPECIFICATIONS

Thermal Sensor & Optics			
Array Format (NTSC)	640 × 480 & 320 × 240 (640 × 512 @30fps max)		
Detector Type	Long-Life, Uncooled VOx Microbolometer		
Pixel Pitch	12 μm		
Thermal Frame Rate	NTSC: 30 Hz or PAL: 25 Hz / 8.3 Hz		
Optical Characteristics	Model	FOV	Focal Length
	DX-350	50° × 38°	4.3 mm
	DX-324	24° × 18°	9.1 mm
	DX-312	12° × 9°	18 mm
	DX-306	6° × 5°	36 mm
	DX-650	50° × 38°	8.7 mm
	DX-624	24° × 18°	18 mm
	DX-612	12° × 9°	36 mm
E-Zoom	Continuous E-Zoom to 4x		
Spectral Range	7.5 μm to 13.5 μm		
Focus Range	Athermalized, Focus-Free		
Video			
Video Compression	Thermal: One channel of H.264 & M-JPEG Visible: Two independent channels of H.264 & M-JPEG		
Streaming Resolution	Thermal: QVGA to VGA Visible: VGA to 4k		
Thermal Image Settings	Auto AGC, Dynamic Detail Enhancement (DDE), Brightness, Sharpness, Contrast		
Thermal AGC Region of Interest (ROI)	Default, Presets and User definable to insure optimal image quality on subjects of interest		
Image Uniformity Optimization	Automatic Flat Field Correction (FFC) - Thermal and Temporal Triggers		
System Integration			
Ethernet	10/100/1000 Mbps		
Network APIs	FLIR SDK, FLIR CGI, ONVIF Profile S		
Digital I/O	Input: 4 Sets / 5V 10kΩ pull up Output: 2 Set / Relay output, max. 130mA 24VDC/AC		
Audio I/O	Bi-Directional Audio - connection - Terminal block		
Illumination	Up to 200m NIR illumination		
Network			
Supported Protocols	IPv4, HTTP, UPnP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, ICMP, IGMP, DHCP, ARP		
Pan / Tilt Performance			
Pan Angle / Speed	Continuous 360° 0.1° to 90° /sec		
Tilt Angle / Speed	-10° to 190° 0.1° to 60°/sec		
Programmable Presets	256		
General			
Input Voltage	24 VAC(±10%) Universal POE injector		
Environmental			
IP Rating (Dust & Water Ingress)	IP66		
Operating Temperature Range	-40°C to 60°C		
Storage Temperature Range	-55°C to 85°C		
Humidity	0-95% relative		
Shock	IEC 60068-2-27		
Vibe	IEC 60068-2-64		
Compliance & Certifications			
FCC Part 15 (Subpart B, class A)			
CE Marked			
RoHS			
IP66			
WEEE			
NEMA 4X			
ONVIF Profile S			
Visible Light Camera - 4K 31X			
Sensor Type	Full HD 4K 1/1.8-type CMOS		
Lens Field of View	HFOV: 61.8° - 2.15° VFOV: 36.65° - 1.2°		
Focal Length	6.5mm - 202mm		
Zoom	Optical Zoom: 31		
F/#	F1.55 (Wide); F4.8 (Tele)		
Sensitivity	Color: 0.25 Lux (@ f1.6 AGC On, 30FPS) B/W: 0.10 Lux (@ f1.6 AGC On, 30FPS)		
Cyber Security	802.1x TLS/HTTPS User authentication Access control via firewall		

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