

ELARA™ FC-SERIES ID

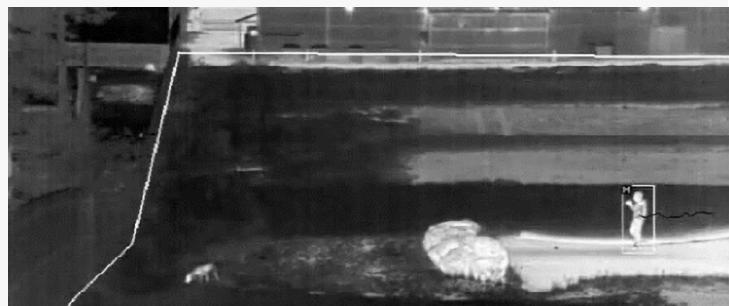
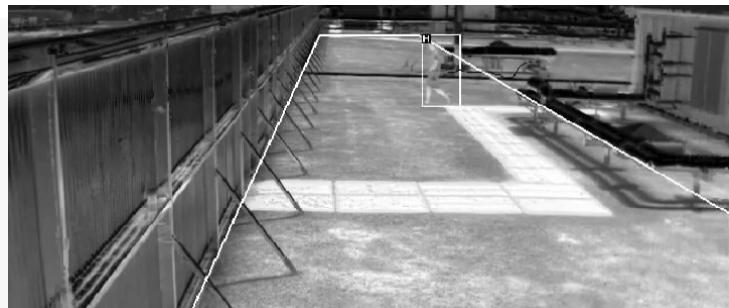
Thermal Analytics Camera



The Elara FC-Series ID combines best-in-class thermal image detail and high-performance edge perimeter analytics in a single device that delivers optimal intrusion detection in challenging environments and extreme conditions.

Elara FC-Series ID cameras feature on-board video analytics optimized for FLIR's thermal sensors. Easy to set up and capable of classifying human or vehicular intrusions,

Elara FC-Series ID cameras provide reliable detection with low false alarm rates, all without human intervention.



RELIABLE ONBOARD ANALYTICS

Accurately classify humans and vehicles

- Auto calibration for depth setup for a simple and reliable configuration.
- No additional measurement tools are needed, requiring only a single installer on site
- Allows analytics in corridor mode, reducing the number of cameras and improving the total cost of ownership
- Target hand-off to PTZ camera auto-tracking

INDUSTRY-LEADING IMAGE QUALITY

Crisp, clean imagery for unmatched video analytics performance and reliability

- Superior image quality in low-contrast conditions
- FLIR's custom AGCs provide images with extremely high contrast
- Dynamic Detail Enhancement (DDE) creates sharp edges and contrast that improve analytics performance

HIGH-PERFORMANCE LENSES

Wide range of lenses for optimal detection ranges in all conditions

- Choose from 17 high-performance lenses suitable for any perimeter or open area, including QVGA from 4° to 69° fields of view and VGA from 8° to 90° fields of view
- High performance optics deliver clear thermal video

SPECIFICATIONS

	Elara FC 3xx ID-Series	Elara FC 6xx ID-Series	Environmental
Image			
Array Format (NTSC)	320 x 240	640 x 480	IP66 & IP67
Detector Type	Long-Life, Uncooled VOx Microbolometer		-50°C to 70°C/-58°F to 158°F (Continuous Operation)
Spectral Range	7.5 μm to 13.5 μm		-40°C to 70°C /-40°F to 158°F (Cold Start)
Effective Resolution	76,800 pixels	307,200 pixels	-50°C to 85°C/-58°F to 185°F
Pixel Pitch	Effective 34 μm (FC-344,332& 369) 17 μm (all other models)	17 μm	Humidity 0-95% relative humidity
Thermal Frame Rate	NTSC: 30 Hz - PAL: 25 Hz / 8.3 Hz		Shock MIL-STD-810G "Transportation"
E-Zoom	4x continuous E-Zoom		Vibe IEC 60068-2-27
Focus	Athermalized, focus-free		Vandalism IK10 (except windows)
Sensitivity	<35 mK for F# 1.0 optics		De-Icing / Anti-Icing MIL-STD-810 F, Method 521.2 - 6 mm ice, 120 minutes with POE+, 4 mm ice with POE af
Video			FC-304, FC-305, FC-610 & FC-608 with Cold Weather kit
Composite Video	NTSC or PAL	Hybrid system with IP & analog video, Dynamic NTSC or PAL settings	
Analog Video Output	Composite	1Vp-p (PAL or NTSC), 1 x BNC 75 Ω	
Video Compression		Two independent channels of H.264 (Restricted VBR and CBR, 10kbps-4Mbps, MPEG4, and MJPEG)	
Streaming Resolution		D1: 720 x 576, 4CIF: 704 x 576, Native: 640 x 512, Q-Native: 320 x 256, CIF: 352 x 288, QCIF: 176 x 144	
Thermal AGC Modes	Features	Brightness, Contrast, Sharpness, Grey Shade Compression, Gamma, Smart Screen Balance	
Thermal AGC Region of Interest (ROI)		Default, Presets and User definable to insure optimal image quality on subjects of interest	
Analytics Management		Web-based configuration and management. Masking of analytic detection areas, adjustable sensitivity, automatic responses, remote I/O control	
Analytics Features		Region Entrance/Intrusion Detection, Crossover/Fence Trespassing;	
Image Uniformity Optimization		Automatic Flat Field Correction (FFC); Thermal and Temporal Triggers	
SD Card Snapshot Capture		Support for 32 GB SD Card (sold separately)	
System Integration			
Ethernet		10/100 Mbps	
External Analytics Compatible		Yes	
Control Input/Output		1x Dry Contact In; 1x Relay Out (rated load 0.025 A@ 5 VDC)	
Network APIs		FLIR SDK, FLIR CGI, ONVIF Profile S	
Network			
Supported Protocols		IPv4, HTTP, Bonjour, UPnP, DNS, NTP, RTCP, TCP, UDP, ICMP, IGMP, DHCP, ARP, FTP, RTP/RTSP, Unicast/Multicast, TCP/IP, HTTP, IEEE 802.1X, SNMP	
General			
Weight With Sunshield		7.5/9/13/19/25/35 mm 1.8 kg (4 lb) - 60 mm 2.0 kg (4.5 lb) - 75 mm 2.2 kg (4.75 lb)	
Weight Without Sunshield		7.5/9/13/19/25/35 mm 2.2 kg (4.75 lb) - 60 mm 2.4 kg (5.25 lb) - 75 mm 2.5 kg (5.5 lb)	
Dimensions (L, W, H)		Without sunshield: 259 x 114 x 106 mm/10.2" x 4.5" x 4.2" With sunshield: 282 x 129 x 115 mm/11.1" x 5.1" x 4.5"	
Input Voltage	Source	POE (802.3 af)	FOV
	Heater off	<5.5 W	F#
	Heater on (@ 100%)	N/A	Focal Length
		<5.5 W	Model
		<25 W	FC-369 ID
		<25 W	FC-344 ID
		<25 W	FC-332 ID
		<25 W	FC-324 ID
		<25 W	FC-317 ID
		<25 W	FC-313 ID
		<25 W	FC-309 ID
		<25 W	FC-305 ID
		<25 W	FC-304 ID
		<25 W	FC-690 ID
		<25 W	FC-669 ID
		<25 W	FC-644 ID
		<25 W	FC-632 ID
		<25 W	FC-625 ID
		<25 W	FC-617 ID
		<25 W	FC-610 ID
		<25 W	FC-608 ID
Cyber Security		IEEE 802.1x TLS/HTTPS User Authentication Access Control via Firewall Digest Authentication	Specifications are subject to change without notice.

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