



Create custom trip lines and regions of interest that will only set off alarms for human or vehicular intruders.

FLIR FC-SERIES ID

Best-in-class thermal cameras with on-board analytics for high-performance intrusion detection.

The new 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. 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, FC-Series ID cameras provide reliable detection with very few false alarms. rates, all without human intervention.

HIGH-PERFORMANCE INTRUSION DETECTION

Reliable On-Board Analytics With a Very Low False-Alarm Rate

- Auto calibration of 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 & Reliability

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

EXPANDED SELECTION OF HIGH-PERFORMANCE LENSES

Wide Variety of Lenses for Optimal Detection Ranges in All Conditions

- Choose lenses from 44 degrees (13mm) to 8 (VGA) / 4 (QVGA) degrees (75mm), suitable for any perimeter or open area
- High performance optics deliver crisp, clean thermal video
- Optional deicing for use in the most demanding installations
- High analytic ranges to reduce number of cameras and total cost of ownership (TCO)



Specifications

Camera Model	FC-3XX-ID			FC-6XX-ID		
Array Format (NTSC)	320 x 240			640 x 480		
Detector Type			Long-Life, l	Jncooled VOx Mic	robolometer	
Pixel Pitch	Effective 34 µm (FC-344 & 332)			17 μm		
TAGET ILCT	17 μm (all other models)			17 μπ		
	24° × 18°, f/1.0, 13 mm			$44^{\circ} \times 36^{\circ}$, f/1.0, 13 mm		
	44° × 36°, f/1.0, 13 mm 17° × 13°, f/1.0, 19 mm			$32^{\circ} \times 26^{\circ}$, f/1.0, 19 mm		
Field of View	32° × 26°, f/1.0, 19 mm			17° × 14°, f/1.1, 35 mm		
	9.2° × 7.0°, f/1.1, 35 mm 5.4° × 4.1°, f/1.25, 60 mm			10° × 8.2°, f/1.25, 60 mm 8.6° × 6.6°, f/1.1, 75 mm		
	4.3° × 3.3°, f/1.1, 75 mm			0.0 × 0.0 , 4, 70 11111		
Spectral Range	7.5 µm to 13.5 µm					
Focus Range	Athermalized, focus-free					
Sensitivity	<50mK for F# 1.0 optics					
Input/Output						
Composite Video (NTSC or PAL)	Hybrid system with IP & analog video Dynamic NTSC or PAL settings					
Video over Ethernet	Two independent channels of H.264 (Restricted VBR and CBR,10kbps-4Mbps, MPEG4, and MJPEG)					
Streaming Resolution	D1: 720x5)x256, CIF: 352x28	8, QCIF: 176x144
Control Input/Output		1x Dry		elay Out (rated load		
Analog Video Output Composite Control			TVP-P (PAL	or NTSC), 1 x BN(7 /5[]	
Ethernet				10/100 Mbps		
External Analytics Compatible				Yes		
Network Protocols	IPV4, HTTP, Bonjour, UPnP, DNS, NTP, RTCP, TCP, UDP, ICMP, IGMP, DHCP, ARP, SCP, FTP, RTP/RTSP, Unicast/Multicast, TCP/IP, HTTP, IEEE 802.1X					SCP, FTP, RTP/RTSP,
Network APIs	Nexus SDK for comprehensive system control and integration; Nexus CGI for http command interfaces; ONVIF Profile S					
General						
	Without sunshield:					
	Lens	13/19/	/35mm	60)mm	75mm
	Lens Weight					
			/35mm (4 lbs.)		0mm (4.5 lbs.)	75mm 2.2kg (4.75 lbs.)
Weight	Weight					
Weight						
Weight	Weight	1.8kg	(4 lbs.)	2.0kg	(4.5 lbs.)	2.2kg (4.75 lbs.)
Weight	Weight With sunshield:	1.8kg		2.0kg	(4.5 lbs.) 0mm	
Weight	Weight With sunshield:	1.8kg	(4 lbs.)	2.0kg	(4.5 lbs.)	2.2kg (4.75 lbs.)
Weight	Weight With sunshield: Lens	1.8kg 13/19/ 2.2kg (-	(4 lbs.) /35mm 4.75 lbs.)	2.0kg 6(2.4kg ((4.5 lbs.) 0mm 5.25 lbs.)	2.2kg (4.75 lbs.) 75mm
Weight Dimensions (L, W, H)	Weight With sunshield: Lens	1.8kg 13/19/ 2.2kg (-	/35mm 4.75 lbs.)	2.0kg 6(2.4kg ((4.5 lbs.) 0mm 5.25 lbs.) 0.2" × 4.5" × 4.2"	2.2kg (4.75 lbs.) 75mm
	Weight With sunshield: Lens	1.8kg 13/19/ 2.2kg (- Withou With	/35mm 4.75 lbs.) tt sunshield: 259 sunshield: 282 x	2.0kg 60 2.4kg (x 114 x 106 mm/10	(4.5 lbs.) 0mm 5.25 lbs.) 0.2" × 4.5" × 4.2"	2.2kg (4.75 lbs.) 75mm
	Weight With sunshield: Lens	1.8kg 13/19, 2.2kg (Withou With	(4 lbs.) /35mm 4.75 lbs.) It sunshield: 259: sunshield: 282 x	2.0kg 60 2.4kg (x 114 x 106 mm/10	(4.5 lbs.) 0mm 5.25 lbs.) 0.2" × 4.5" × 4.2"	2.2kg (4.75 lbs.) 75mm
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Dimensions (L, W, H) Power Consumption	Weight With sunshield: Lens Weight	1.8kg 13/19, 2.2kg (Withou With	(4 lbs.) /35mm 4.75 lbs.) It sunshield: 259: sunshield: 282 x	2.0kg 60 2.4kg (x 114 x 106 mm/10 129 x 115 mm/11.	0mm 5.25 lbs.) 0.2" x 4.5" x 4.2" 1" x 5.1" x 4.5"	2.2kg (4.75 lbs.) 75mm 2.5kg (5.5 lbs.)
Dimensions (L, W, H) Power Consumption (Consult product manuals for	Weight With sunshield: Lens Weight	1.8kg 13/19, 2.2kg (Withou With	(4 lbs.) /35mm 4.75 lbs.) It sunshield: 259: sunshield: 282 x	2.0kg 60 2.4kg (x 114 x 106 mm/10 129 x 115 mm/11.	0mm 5.25 lbs.) 0.2" x 4.5" x 4.2" 1" x 5.1" x 4.5"	2.2kg (4.75 lbs.) 75mm 2.5kg (5.5 lbs.)
Dimensions (L, W, H) Power Consumption	Weight With sunshield: Lens Weight Source	1.8kg 13/19/ 2.2kg (- Withou With POE (802.3af)	/35mm 4.75 lbs.) tt sunshield: 259 sunshield: 282 x POE+ (802.3at)	2.0kg 60 2.4kg (x 114 x 106 mm/10 129 x 115 mm/11. 12VDC	(4.5 lbs.) 0mm 5.25 lbs.) 0.2" × 4.5" × 4.2" " × 5.1" × 4.5"	2.2kg (4.75 lbs.) 75mm 2.5kg (5.5 lbs.)
Dimensions (L, W, H) Power Consumption (Consult product manuals for	Weight With sunshield: Lens Weight Source Heater off	1.8kg 13/19/ 2.2kg (/35mm 4.75 lbs.) It sunshield: 259: sunshield: 282 x POE+ (802.3at) <5.5W	2.0kg 60 2.4kg (x 114 x 106 mm/10 129 x 115 mm/11. 12VDC <5.5W	(4.5 lbs.) 0mm 5.25 lbs.) 0.2" × 4.5" × 4.2" " × 5.1" × 4.5" 24VDC <5.5W	2.2kg (4.75 lbs.) 75mm 2.5kg (5.5 lbs.) 24VAC(VA)
Dimensions (L, W, H) Power Consumption (Consult product manuals for	Weight With sunshield: Lens Weight Source	1.8kg 13/19/ 2.2kg (- Withou With POE (802.3af)	/35mm 4.75 lbs.) tt sunshield: 259 sunshield: 282 x POE+ (802.3at)	2.0kg 60 2.4kg (x 114 x 106 mm/10 129 x 115 mm/11. 12VDC	(4.5 lbs.) 0mm 5.25 lbs.) 0.2" × 4.5" × 4.2" " × 5.1" × 4.5"	2.2kg (4.75 lbs.) 75mm 2.5kg (5.5 lbs.)
Dimensions (L, W, H) Power Consumption (Consult product manuals for detailed power requirements)	Weight With sunshield: Lens Weight Source Heater off Heater on	1.8kg 13/19/ 2.2kg (/35mm 4.75 lbs.) It sunshield: 259 sunshield: 282 x POE+ (802.3at) <5.5W	2.0kg 60 2.4kg (x 114 x 106 mm/11 129 x 115 mm/11. 12VDC <5.5W	(4.5 lbs.) Omm 5.25 lbs.) 0.2" × 4.5" × 4.2" " × 5.1" × 4.5" 24VDC <5.5W	2.2kg (4.75 lbs.) 75mm 2.5kg (5.5 lbs.) 24VAC(VA)
Dimensions (L, W, H) Power Consumption (Consult product manuals for detailed power requirements) Local Storage	Weight With sunshield: Lens Weight Source Heater off Heater on (@ 100%)	1.8kg 13/19/ 2.2kg (/35mm 4.75 lbs.) It sunshield: 259 sunshield: 282 x POE+ (802.3at) <5.5W <25W Support for 32	2.0kg 60 2.4kg (x 114 x 106 mm/11 129 x 115 mm/11. 12VDC <5.5W <25W	(4.5 lbs.) Omm 5.25 lbs.) 0.2" × 4.5" × 4.2" " × 5.1" × 4.5" 24VDC <5.5W <25W	2.2kg (4.75 lbs.) 75mm 2.5kg (5.5 lbs.) 24VAC(VA) <8W <32W
Dimensions (L, W, H) Power Consumption (Consult product manuals for detailed power requirements) Local Storage Approvals	Weight With sunshield: Lens Weight Source Heater off Heater on (@ 100%)	1.8kg 13/19/ 2.2kg (- Withou With POE (802.3af) <5.5W N/A	(4 lbs.) /35mm 4.75 lbs.) It sunshield: 259: sunshield: 282 x POE+ (802.3at) <5.5W <25W Support for 32 47 CFR Part 15,	2.0kg 60 2.4kg (x 114 x 106 mm/10 129 x 115 mm/11. 12VDC <5.5W <25W CGB SD Card (not s) Subpart B, Class A	(4.5 lbs.) Omm 5.25 lbs.) 0.2" × 4.5" × 4.2" " × 5.1" × 4.5" 24VDC <5.5W <25W supplied) ((within CISPR 22:2	2.2kg (4.75 lbs.) 75mm 2.5kg (5.5 lbs.) 24VAC(VA) <8W <32W
Dimensions (L, W, H) Power Consumption (Consult product manuals for detailed power requirements) Local Storage	Weight With sunshield: Lens Weight Source Heater off Heater on (@ 100%)	1.8kg 13/19/ 2.2kg (- Withou With POE (802.3af) <5.5W N/A	(4 lbs.) /35mm 4.75 lbs.) It sunshield: 259: sunshield: 282 x POE+ (802.3at) <5.5W <25W Support for 32 47 CFR Part 15, 2010 to 4.0kV on	2.0kg 60 2.4kg (x 114 x 106 mm/10 129 x 115 mm/11. 12VDC <5.5W <25W CGB SD Card (not s) Subpart B, Class A	(4.5 lbs.) Omm 5.25 lbs.) 0.2" × 4.5" × 4.2" " × 5.1" × 4.5" 24VDC <5.5W <25W cupplied) c (within CISPR 22:20) es; EN 50130-4:201	2.2kg (4.75 lbs.) 75mm 2.5kg (5.5 lbs.) 24VAC(VA) <8W <32W



Specifications

Environmental	
IP Rating	IP66 & IP67
Operating Temperature Range	-50°C to 70°C/-58°F to 158°F (Continuous Operation) -40°C to 70°C /-40°F to 158°F (Cold Start)
Storage Temperature Range	-50°C to 85°C/-58°F to 185°F
Humidity	0-95% relative humidity
Shock	MIL-STD-810G "Transportation"
Vibe	IEC 60068-2-27
Image Optimization Featur	es
Certifications	IEC 60068-2-1:2007; IEC 60068-2-2:2007; ISTA-1A;
Compliance	RoHS Directive 2011/65/EU; WEEE 2012/19/EU
Analytics Management	Web-based confguration and management Masking of analytic detection areas, adjustable sensitivity, automatic responses, remote I/O control
Thermal AGC	Linear AGC, Histogram AGC, Dynamic Detail Enhancement (DDE), Sensitivity
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
Analytics Features	Region Entrance/Intrusion Detection, Crossover/Fence Trespassing; Auto/Manual Depth Setup, Human/Vehicle Rules, Hand-off target to PTZ tracking

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