FC-Series R

Fixed Network Thermal Cameras

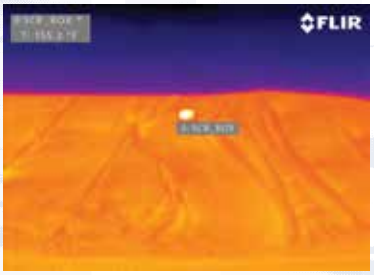
FC-Series R

The new FLIR FC-Series R is a fixed network thermal security camera that features on-board, non-contact temperature measurement capabilities for fire detection, safety, and thermal monitoring of equipment. A powerful, standalone edge intrusion detection device capable of classifying whether intrusion threats are humans or vehicles, FC-Series R cameras provide reliable detection and video analytics with flexible alarming options by email, digital outputs or VMS.

Because FLIR understands that you need cameras for the real world, FC-Series cameras are qualified beyond industry standard for survivability, and are backed by FLIR's unparalleled three-year system warranty and 10-year detector warranty.

Features

- On-board video analytics with ability to classify human or vehicle intrusions
- Calibrated temperature measurement for fire detection, safety, and thermal monitoring of equipment
- Multiple alarming notification options, including email, digital outputs or VMS alarms
- Ideal for use with third-party analytics, including those provided by FLIR's partners around the world
- Camera configuration via web or mobile apps
- Wide Dynamic Range Thermal for industry-leading threat detection



With the FC-Series R camera, you can monitor the temperature of a specific area. When the pre-set temperature has been reached or exceeded, you'll receive a notification by email, digital output or VMS alarm.

Specifications

Camera Model	FC-Series R	FC-Series R
Thermal Camera		
Array Format (NTSC)	320 x 240	640 x 480
Detector Type	Long-Life, Uncooled VOx Microbolometer	
Effective Resolution	76,800	307,200
Pixel Pitch	25 µm	17 µm
Field of View	34° × 28° (FC-334R; 13 mm) 24° × 19° (FC-324R; 19 mm)	45° × 37° (FC-645R; 13 mm) 32° × 26° (FC-632R; 19 mm)
Zoom	Continuous E-zoom, up to 4X	
Spectral Range	7.5 µm to 13.5 µm	
Focus Range	Athermalized, focus-free	
Temperature Measurement		
Measurement Range	-10°C to 110°C	
Measurement Accuracy	+/-5°C or 5% of reading	
Outputs		
Composite Video NTSC or PAL	Yes; Hybrid system with IP & Analog video	
Video over Ethernet	Two independent channels of H.264, MPEG-4 & M-JPEG (see website for full details)	
Streaming Resolution	D1: 720x576, 4CIF: 704x576, Native: 640x512, Q-Native: 320x256, CIF: 352x288, QCIF: 176x144	
Control		
Ethernet	Yes	
External Analytics Compatible	Yes	
Network APIs	Nexus SDK for comprehensive system control and integration Nexus CGI for http command interfaces ONVIF 2.0 Profile S	
General		
Weight	4.0 lb (1.8 kg) w/o sun shield 4.8 lb (2.2 kg) w/sun shield	
Dimensions (L, W, H)	9.2" x 4.6" x 4.1" w/o sun shield 10.8" x 5.4" x 4.4" w/ sun shield	
Input Voltage (Consult product manuals for feature/power requirements)	11-44 VDC (no lens heaters) 16-44 VDC (w/lens heaters) 14-32 VAC (no lens heaters) 16-32 VAC (w/lens heaters) PoE (IEEE 802.3af-2003) PoE+ (IEEE 802.3at-2009)	
Input Voltage	12–38 VAC 11–56 VDC PoE (IEEE 802.3af-2003) PoE+ (IEEE 802.3at-2009)	
Power Consumption (Consult product manuals for detailed power requirements)	24 VDC 5 W nominal 21 W peak (w/heaters) 24 VAC 8 VA nominal 29 VA peak (w/heaters)	
Approvals	FCC Part15, Subpart B, Class B CE: EN 55022 Class B	
Surge Immunity on AC Power Lines	EN 55024: 2010 and 55022: 2010 to 4.0kV on AC aux power lines	
Surge Immunity on Signal Lines	EN 55024: 2010 and 55022: 2010 to 4.0kV	
Environmental		
IP Rating	IP66 & IP67	
Operating Temperature Range	-50°C to 70°C (continuous operation) -40°C to 70°C (cold start)	
Storage Temperature Range	-55°C to 85°C	
Humidity	0-95% relative	
Shock	MIL-STD-810F "Transportation"	
Vibe	IEC 60068-2-27	
Image Optimization Features		
Thermal AGC Modes	Auto AGC, Manual AGC, Plateau Equalization AGC, Linear AGC, Auto Dynamic Detail Enhancement (DDE), Max Gain Setting	
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	

Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited.
Imagery used for illustration purposes only.

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