

# NEW FC-Series

Fixed IP Thermal Cameras

The next level of security.



FC-Series IP thermal cameras are the latest, compact FLIR® cameras to use our proprietary Wide Dynamic Range Thermal image processing. WDR Thermal lets FLIR cameras provide superior image quality in conditions that leave other cameras in the dark.

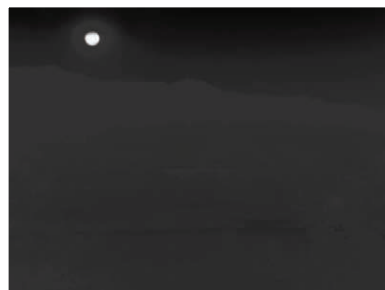
Designed for high performance, easy installation, and long-term reliability, FC-Series cameras with WDR Thermal give you the image detail needed for optimal threat detection

capability and peak analytics performance - even in challenging imaging environments like when the camera is facing the rising or setting sun.

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 3-year system warranty and 10-year detector warranty.

## Highlights of FC-Series Thermal Cameras:

- WDR Thermal for industry-leading threat detection
- Weather-proof IP66/IP67 enclosure suitable for operation in extreme environmental conditions
- PoE, PoE+, 12 VDC, and 24 VAC power input options for easy installation
- Simultaneous IP and analog video outputs along with IP and serial control interfaces for easy integration into IP networks or analog video environments; use them in an existing analog environment, and migrate easily to a future IP network
- Open IP standards for plug-and-play integration; ONVIF compliant
- Streaming digital video available in H.264, MPEG-4, or M-JPEG formats
- Advanced thermal image processing with Digital Detail Enhancement (DDE) for high-contrast images in dynamic thermal scenes



FLIR's WDR Thermal (left) keeps you seeing clearly in the most challenging environments, while cameras without WDR Thermal (right) leave you in the dark.



# Specifications

Camera Model	FC-Series	FC-Series
<b>Thermal Camera</b>		
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	63° x 50° (FC-363; 7.5 mm) 48° x 39° (FC-348; 9 mm) 34° x 28° (FC-334; 13 mm) 24° x 19° (FC-324; 19 mm) 13° x 10° (FC-313; 35 mm) 9° x 8° (FC-309; 35 mm, 17 µm)	90° x 69° (FC-690; 7.5 mm) 69° x 56° (FC-669; 9 mm) 45° x 37° (FC-645; 13 mm) 32° x 26° (FC-632; 19 mm) 18° x 14° (FC-618; 35 mm)
Zoom	Up to 4x E-zoom	
Spectral Range	7.5 µm to 13.5 µm	
Focus Range	Athermalized, focus-free	
<b>Outputs</b>		
Composite Video NTSC or PAL	Standard	
Video over Ethernet	Two independent channels of H.264, MPEG-4 & M-JPEG (see website for full details)	
<b>Control</b>		
Ethernet	Yes	
Network Enabled	Yes	
Software Developer's Kit	Yes	
External Analytics Compatible	Yes	
<b>General</b>		
Weight	3.5 lb (1.6 kg) w/o sun shield 4.2 lb (1.9 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	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 EN 55022 Class B	
<b>Environmental</b>		
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	



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