FC-Series

Thermal Traffic Detection Camera

Thermal Detects Better

Thermal cameras outperform other detection technologies by detecting the heat signatures given off by everything in their field of view, 24/7. Because they see heat, not light, they don't get confused by sun glare, darkness, headlights, shadows, wet streets, snow, and fog like video cameras do. Nor do they get damaged by direct sun light.

Detection systems using thermal cameras have dramatically fewer false and missed calls, enable better signal timing, and more efficient traffic flow with increased safety than any other technology. Plus thermal cameras also detect the heat from cyclists, pedestrians, and animals faster and more reliably.

NEW FC-Series

A drop-in replacement for legacy video cameras, FC-Series thermal cameras run off 110 VAC power, output industry-standard video signals, and work with all third-party video detection systems making them the most accurate, cost-effective solution on the market today.

The FC-Series of thermal cameras is a direct replacement for your legacy video cameras and works with your existing processor, so you can get more accurate detection, improved data collection, and safer operations without having to change the rest of your system or spend money training your operators on a new system.

FC-Series

Thermal Camera Specs

Array Format (NTSC)	320 × 240
Detector Type	Long-Life, Uncooled VOx Microbolometer, w/10-Year Warranty
Effective Resolution	76,800
Pixel Pitch	25 µm
Focal Length	9 mm, 13 mm, or 19 mm
Field of View	48° × 37° (FC-348t; 9 mm) 34° × 26° (FC-334t; 13 mm) 24° × 18° (FC-324t; 19 mm)
Spectral Range	7.5 to 13.5 µm
Focus Range	Athermalized; focus-free

Outputs

Dual Connectivity	BNC and Connector-Free Video Cable Terminal Strip
Composite Video	NTSC or PAL
External Analytics Compatible?	Yes

General

Weight	4.2 lb. (w/sun shield)
Dimensions (L,W,H)	10.8" × 5.4" × 4.4" (w/sun shield)
Input Voltage	90-240 VAC single phase
50-60 Hz	
Power Consumption	1.7 W nominal at 110 VAC 18 W peak w/heaters
Mounting Provisions	Two ¼-20 threaded holes, 1" spacing along centerline front to back

Environmental

IP rating	IP66
Operating temperature range	-50°C to 75°C (continuous operation)
-40°C to 75°C (cold start)	
Storage Temperature range	-55°C to 85°C
Humidity	0-95% relative
Shock	MIL-STD-810F "Transportation"
Vibration	10g shock pulse with a 11ms half-sine profile
NEMA TS 2	Environmental testing for FC-Series(t) was conducted IAW w/Section 2.1 of NEMA TS 2-2003 and either meets or exceeds those requirements for the following categories: Operating Voltage, Operating Frequency, Ambient Temperature, Humidity, Vibration, and Shock.
Approvals	FCC Part15, Subpart B, Class B EN 55022 Class B EN 50130-4 EN 60950
Warranty	10 Year Detector, 2 Year Parts and Labor

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