Industrial Radiometric Thermal Camera
FV-3543-1

- Thermal imaging for industrial monitoring

- -40° to 550° C dynamic range

- IP ready

- Up to 6 user-defined alarm zones

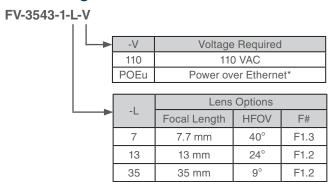- Rugged enclosure for harsh environments

- PoE version available

Rugged industrial camera for accurate temperature monitoring

The FV-3543-1 Thermal IP Network Camera is a rugged thermal camera system specially designed by Industrial Video & Control to operate in industrial environments.

At its core is a radiometrically shielded high-resolution vanadium oxide-based microbolometer sensor array. Equipped with on-camera alarming functions, the camera provides digital output for over-temperature indications within the camera's field of view.

The FV-3543-1 is extremely flexible making it suitable for most temperature monitoring applications. Up to 6 temperature user-defined zones can be configured. A zone may be a rectangle, polygon, or line.

Within each zone, the camera may be programmed to alarm on:

- High temperature

- Low temperature

- Average temperature

- Standard deviation

Designed for industrial applications, the camera's alarms may be communicated to your control system via OPC or MODBUS/TCP. A variety of lens options are available, providing 40, 24, or 9 degrees field of view.

The FV-3543-1 is housed in a rugged enclosure suitable for harsh industrial environments. The camera is ready for mounting and requires power and an Ethernet connection.

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▸specifications

Imager	320x240 VOx micorbolometer
Spectral Range	8-14 µm
Pixel Pitch	17 µm
Thermal Sensitivity	NetD <50mK
Sample Rate	60 Hz
View Angle	(See ordering information)
F-number	(See ordering information)
Focus	Auto
Thermal Range	-40° C to 550° C
Thermal Accuracy	±2° C / ±2%
Detection Zones	6 programmable
Spectral Filtering	Optional
Ethernet	100Base-TX/10BaseT (RJ-45)
Compression	M-JPEG, H.264
Frame Rate	30 FPS
Voltage Required	110 VAC; PoE*
Power Consumption	22 W
Weight	5 lbs.
Operating Temperature	-29° C to 50° C
Dimensions	4.25" D x 16.0" L
Mount	Wall mount standard
Enclosure Rating	IP66, NEMA 4

*PoE injector included with PoE model

▸accessories

MB-100	Pole mount kit
SS-3000-07	Sun Shield

▸ordering information

FV-3543-1-L-V

-V	Voltage Required
110	110 VAC
POEu	Power over Ethernet*

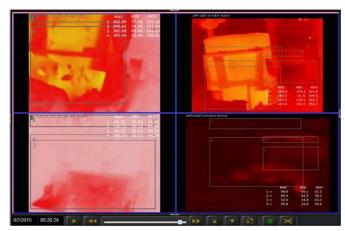| -L	Lens Options		
	Focal Length	HFOV	F#
7	7.7 mm	40°	F1.3
13	13 mm	24°	F1.2
35	35 mm	9°	F1.2

▸IVC camera management software

Point & click camera management & control
Robust, enterprise class software to manage and control your cameras and video from anywhere in the world.

Reduce potential safety hazards and minimize damage to assets and environment by quickly detecting abnormal temperature changes in your process.

FM Approvals
QUALITY SYSTEM REGISTRATION
ISO 9001 Certified

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