

# Industrial Radiometric Thermal Camera

## FV-3543-2



- Thermal imaging for industrial monitoring
- -40° to 550° C dynamic range
- IP ready
- Up to 6 user-defined alarm zones
- 316L stainless steel enclosure for harsh environments
- PoE version available

### Rugged industrial camera for accurate temperature monitoring

The FV-3543-2 Thermal IP Network Camera is a rugged thermal camera system 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-3543-2 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. The integrated 7.7mm lens provides a horizontal field of view of 40 degrees.

The FV-3543-2 is housed in a rugged stainless steel enclosure suitable for harsh industrial environments. It includes an integrated vortex cooler to enable deployment in hot environments. The camera features an integrated air barrier to keep the lens clean in dusty environments. The camera is ready for mounting and requires power and an Ethernet connection.

## specifications

Imager	320x240 VOx microbolometer
Spectral Range	8-14 $\mu\text{m}$
Pixel Pitch	17 $\mu\text{m}$
Thermal Sensitivity	NetD <50mK
Sample Rate	60 Hz
View Angle	7.7mm
F-number	F1.9
Focus	Auto
Thermal Range	-40° C to 550° C
Thermal Accuracy	$\pm 2^\circ\text{C}$ / $\pm 2\%$
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	20.2 lbs.
Operating Temperature	-29° C to 75° C
Dimensions	5.25" D x 15.9" L
Mount	Wall mount standard
Enclosure Rating	IP66

\*PoE injector included with PoE model

## accessories

**MB-100-S** Stainless steel pole mount kit

## ordering information

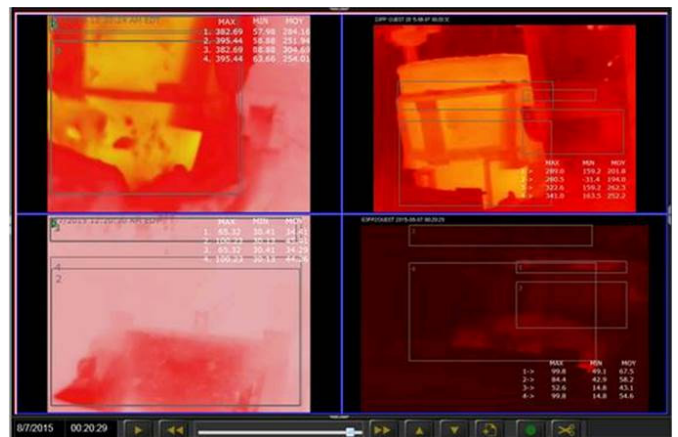
**FV-3543-2-L-V**

-V	Voltage Required		
	110 VAC		
	POEu Power over Ethernet*		
-L	Lens Options		
	Focal Length	HFOV	F#
	7	7.7 mm	40° F1.3

## 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.



**MADE IN THE USA**

330 Nevada St., Newton, MA 02460 [www.ivcco.com](http://www.ivcco.com) 617-467-3059

© 2019, Industrial Video & Control Co. The Industrial Video & Control Co. logo is a registered trademark of Industrial Video & Control Co.. All other company names and products are trademarks or registered trademarks of their respective companies. All information provided is subject to change without notice. 1/9/2019

**IVC**  
INDUSTRIAL  
VIDEO & CONTROL