

F-SERIES

Technical specifications

F-Series: general specifications

IMAGING PERFORMANCE		ENVIRONMENTAL SPECIFICATION	
Detector type	Focal Plane Array (FPA), uncooled Vanadium Oxide (Vox) microbolometer	Operating temperature range	-40°C to +55°C
Spectral range	7.5 to 13µm	Storage temperature range	-50°C to +85°C
Thermal sensitivity	85 mK at 25°C	Encapsulation	IP66
Image frequency	25 Hz or 8.3 Hz	Shock	IEC 60068-2-27
Focus	Focus free, athermal lens	Vibration	Mil-Std-810F
Image processing	Automatic Gain Control (AGC), Digital Detail Enhancement (DDE)	PHYSICAL CHARACTERISTICS	
SYSTEM FEATURES		Camera Weight	4.3 kg
Automatic heater	Clears ice from windows	Camera Size (L x W x H)	460 mm x 140 mm x 160 mm
IMAGE PRESENTATION		Shipping weight (camera + packaging)	5.6 kg
Video output	PAL or NTSC	Shipping size (camera + packaging)	508 mm x 203 mm x 229 mm (L x W x H)
Video over Ethernet	Two independent channels of streaming MPEG-4, H.264, or M-JPEG	INTERFACES	
POWER*		TCP/IP	Yes
Requirements	24 VAC (21-30 VAC) 24 VDC (21-30 VDC)	RS-422	Yes
Consumption	24 VAC: 51 VA max w/heater 24 VDC: 46 W max w/heater	RS-485	Yes
		RS-232	Yes
		Pelco D	Yes
		Bosch	Yes
		STANDARD PACKAGE	
		Thermal imaging camera, operator manual	

**Please consult product installation and operation guides for details of system power requirements*

F-Series: version specific specifications

SENSOR RESOLUTION	160 X 120	320 X 240	640 X 480
Name/Focal length/ Field of view	F-124: 9 mm lens – FOV: 24°(H) x 20°(V) F-117: 13 mm lens – FOV: 17°(H) x 14°(V) F-112: 19 mm lens – FOV: 12°(H) x 10°(V)	F-348: 9 mm lens - FOV: 48°(H) x 39°(V) F-334: 13 mm lens - FOV: 34°(H) x 28°(V) F-324: 19 mm lens - FOV: 24°(H) x 19°(V) F-313: 35 mm lens - FOV: 13°(H) x 10°(V) F-307: 65 mm lens - FOV: 7°(H) x 5°(V) F-304: 100 mm lens - FOV: 4.6°(H) x 3.7°(V)	F-645: 13 mm lens – FOV: 45°(H) x 37° (V) F-625: 25 mm lens – FOV: 25° (H) x 20°(V)
Electronic zoom	2x	2x and 4x	2x and 4x



Specifications are subject to change without notice. Sizes and weights are indicative.