

F300 Firefighting Imaging Camera

- Using the principle of infrared penetrating smoke, track fire behavior, trapped people can be quickly located and assess structural risk.
- Ergonomically designed for use with Firefighters gloves and protective gear
- Meets NFPA Standards



SPECIFICATION

Model	F300
Imaging & Optical	
Detector Type	Uncooled Microbolometer
Resolution	384×288@17μm
Super Resolution	Up to 768X576 pixels
Spectral Range	7.5 μm ~ 14 μm
Frame rate	50Hz
NETD	≤50mk@30°C
FOV	50° × 37.5°
Focal Length	7mm
IFOV	2.4mrad
Digital Zoom	1x-8x continuous zoom
Focus	Fixed
Display	3.5 inch LCD display, 800*480
Digital Camera	5 Megapixel (Optional 13 Megapixel), with built-in LED lights
Image Mode	Fire, Overhaul, Estimation, Inspection, Missing person, WB, HB, Fusion
Palette	12 Palettes (Iron, White hot, Black hot, Rainbow, Arctic, Lava, etc.)
Image Adjustment	Manual/Automatic



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FIREFIGHTING

SPECIFICATION	
Measurement & Analysis	
Temperature Measurement Range	-40°C~1200°C (Optional up to 2000°C)
Temperature Accuracy	± 2°C or ± 2%, take the maximum value
Temperature Measurement Mode	Full screen maximum and minimum temperature capture, center temperature detection
Laser Rangefinder	Distance shown on Screen 50m
Image Storage and Transfer	
Image Storage	TF card, standard 64GB
Image Storage Mode	Infrared images and digital camera images are saved simultaneously
Thermal Image Format	JPEG format, infrared video recording in H.264 format
Digital Camera Image Format	JPEG format, H.264 format for Digital camera video recording
Transfer Interfaces	USB Type C, TF card, and WiFi
Software	IR Analyser for PC-full analysis and reporting software, Android app live stream on Phone/pad
Power supply	
Battery Type	Replaceable & Rechargeable Lithium Ion (7.2V 3400mAh 24.48Wh)
DC Operation	12V DC power supply(100V to 240V, 50/60Hz)
Battery Hours	Approximately 3.5 hours Continuous working Time
Battery Charger	12V Charging dock for 2 battery charging, 2.5 hours charging time
Battery Management	Automatic shut-down
Environmental	
Working Temperature	Standard Operating temperature: -10°C~50°C Extreme Operating temperature: 80°C-30 minutes, 150°C-15 minutes, 260°C-5 minutes
Storage Temperature	-40°C~70°C
Relative humidity	95% Relative humidity 25°C to 40°C non-condensing
Vibration	2G/IEC 60068-2-6:1995
Shock	25G/IEC 60068-2-27:2008
Enclosure Rating	IP67(IEC 60529)
Drop	2m on concrete floor(IEC 60068-2-31)
Physical Specification	
Weight	≤900g(With battery)
Dimensions	123.5×273×98.5mm
Package Includes	IR thermal imager, battery * 2, Carabiner strap, Charging dock, power adapter, USB cable, TF card, Card reader, Packing list, Calibration certificate, User manual, 2 Years warranty card, Carry case