

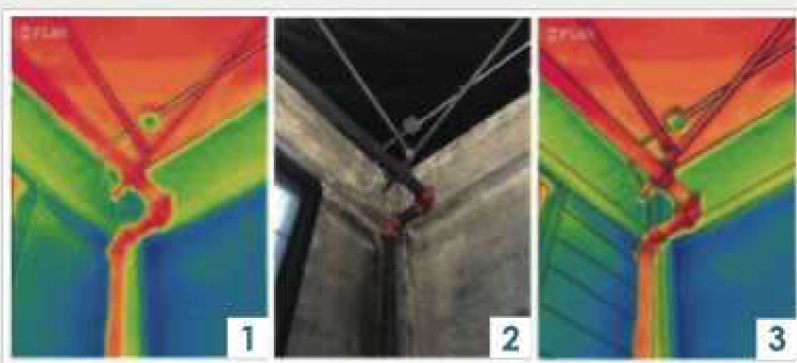


Fusion Eyes

Dual-Camera Module, Thermal & Visible

Fusion Eyes is designed to capture both visible and thermal images at the same scene and export overlay images to see distinguished shapes of objects to identify them clearly. Through thermal images, special conditions can be monitored, such as fire accident pre-alarm by detecting environment temperature, water leaks on rooftop, safe driving vision even without light ahead, or capturing intruders invading in premises under no light condition, etc.

Fusion Eyes can be assembled with security cameras, mobile/transport video cameras, home cameras, rugged phones, smart glasses, etc.



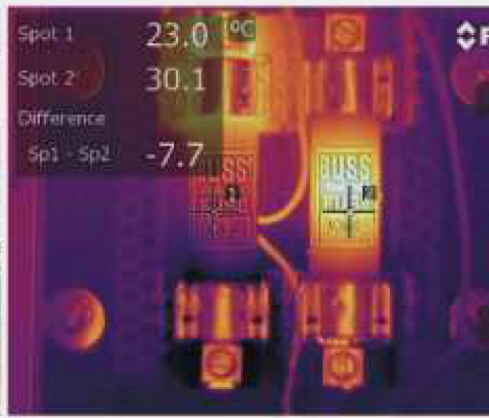
- 1 Thermal image
- 2 Visible image
- 3 Overlay Image

Applications

Smart Home

Facility Risk Management

Security & Surveillance



(Above information is subject to be changed without prior notice)



Thermal Camera Board

Main Board

inTFV0T1

Thermal Camera Board	
Thermal Sensor	FUR Lepton 2.0
Sensor technology	Uncooled VOx microbolometer
Spectral range	Longwave infrared, 8 μ m to 14 μ m
Array format	80 x 60, progressive scan
Pixel Size	17 μ m
Effective frame rate	8.6 Hz (exportable)
Thermal sensitivity	<50 mK(0.050° C)
Temperature compensation	Automatic. Output image independent of camera temperature
FOV - horizontal	51°
FOV - diagonal	63.5°
Depth of field	10 cm to infinity
Output format	User-selectable 14-bit, 8-bit (AGC applied)
Solar protection	Integral
Shock	1500 G@ 0.4 ms
Size Measurement	25 x 46 mm

Main Board	
SOC	ARM926EJ-S
Protocols	TCP/IP,UDP,IGMP,ICMP,DHCP,HTTP,HTTPS,DHCP DNS,DDNS,RTP/RTSP,PPPoE,SMTp,UPnP,NTP,ARP,ONVIF,PSIA
Video Storage	Local SD card Storage (Maximum 32G)
Video streaming	Dual-stream ' PSW protection
WIFI Protocol	IEEE802.11b,802.11g, 802.11n
Video Output	WIFI
Size Measurement	68 x 50 mm
Power Input	DC5V \pm 10%, Micro USB
Power Consumption	>2.5W
Operating Temperature	0°C~+60°C
Storage temperature	-10 °C to +70 °C
Storage Humidity	<85%RH (No condensation)

*All specifications are subject to change without notice

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