



Features

- Turnkey solution for temperature monitoring and measurement
- Longwave infrared radiation coverage from 8μm to 14μm
- Compact design for easy installation
- Perfect for condition and process monitoring
- The built-in applications and SDK of TIM-048 are for Ai Box model LU520 and LU720 only.



Wireless

WiFi	IEEE802.11. a/b/g/n
Antenna	Built-in dual band(2.4G/5G)Chip antenna

Camera

Camera	5 Mega pixel FF
Flash Light	LED Flashlight

Sensor	Lepton 2.5	Lepton 3.5
Spectral Range	Longwave infrared, 8μm to 14μm	
Array Format	80 x 60	160 x 120
Pixel	17μm	12μm
Effective Frame Rate	8.7Hz	
Scene Dynamic Range	-10 °C to +140 °C (-10 °C to +450 °C)	-10 °C to +140 °C (-10 °C to +400 °C)
Radiometric Accuracy	±5°C	
Field of View	51° (H), 63.5° (D)	57° (H), 63.5° (D)

I/O Interface & Button

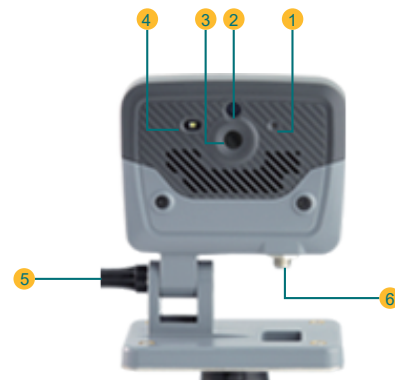
USB Port	Micro USB connector for debug (internal)
LED	3-color LED; Pair, Link, Activity
Power Jack	1 x 3-pin M8 power jack (IP67)

Power

Power	5V/2A
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Mechanical

Net Weight	150g
Dimensions (HxWxD)	89.9 x 64.24x27.27 mm 105.9 x 99.3 x 44.2 mm w/stand



- 1 LED Indicator
Red solid: Not paired to HMI
Blue blinking: Linking to HMI
Green blinking: Link established; data transfer is in progress
2. A traditional RGB camera captures images visible to the human eye.
- 3 Longwave infrared camera, 8μm to 14μm
- 4 White light
- 5 Loosen knob to adjust camera angle
- 6 3-pin M8 power connector (IP67)



Optional Accessories

Part No.	Item	Description	Q'ty
9700480025020M	TIM-048 Monitor Sub-Ass'y	Thermal camcoder mechanical sub-Ass'y R0.2	1
5690000480010M	TIM-048 ROTATE HOLDER ASSY	ROTATE HOLDER+Magnet	1
54901005000010M	PW,ADAPTER,PHIHONG,PSAF10R-050Q-R	AC/DC,5V,2A,10W,75.75*45.5*33.08mm,USB TYPE	1
3200000000213M	Adapter Plug	BLACK, 4-IN-1 PLUG KIT (US/EU/UK/AUS)	1
3432122000970M	USB Cable	1500mm, USB A/M TO M8/F 3P, BLACK	1



TIM-048 Monitor Sub-Ass'y



Rotate Holder



Adapter Plug



Rotate Holder with Magnet

Remark: Built-in applications and SDK are for Edge AI Box LU520 or LU720 only.



LU520



LU720

