

MILESEEY 迈测

Shenzhen Mileseey Technology Co., Ltd.

Infrared Thermal Imager



TR120E



TR120



TR256A



TR256C



TR256i / TR160i



Professional Thermal Imager Model: TR120E



Powerful LED Light

adjustable lightness, safe work for dark area



Specifications



Thermal imaging pixels	120*90	Image storage	Micro SD Card
Infrared spectrum bandwidth	8~14 μm	Image format	BMP
Field of view (FOV)	50° (H) *38° (V)	PC analysis software	yes
Pixel size	17 μm	Battery	3.7V/2600 mAh rechargeable battery
Rate	≤25Hz	Operating time	Continuous operating time>9H
Thermal imaging sensitivity	<60mK	USB communication	Type-C USB
Focus	Focus-free	Charging time	≤2.5H
Temperature range	-20°C~400°C	LED Light	High power white lightLED
Accuracy	+2°C or +2%, greater (10~400°C, room temperature 25°C)	IP rating	IP54
		Operating humidity	<85%RH (non-condensing)
		Storage temperature	-20°C~60°C
Resolution	0.1°C	Drop proof	2m
Palettes	6 Color Palettes	Weight	310g
Warning for high low temperature	✓	Certificates	CE, UKCA, RoHS

TR120E

Infrared Thermal Imager

automatic tracking and warning

Adjustable Emissivity

PC Analysis Software

operating time >9h

automatic storage

16GB Micro SD Card



Features:

- Powerful LED Light
- 6 color palettes
- Automatic tracking and warning
- 2600mAh rechargeable battery
- USB communication and PC analysis software
- 16GB Micro SD card

Automatic Tracking and Warning

Highest temperature 33.9°C

Center temperature 29.7°C

Lowest temperature 23.8°C





Infrared Thermal Imager

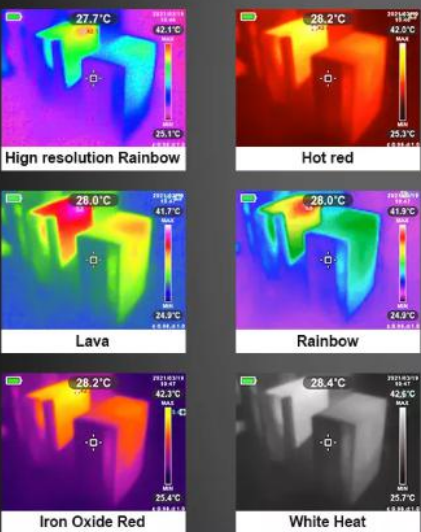
Model: TR120



Thermal imaging pixels	10800 (120*90)
Spectral response band	8~14um
Field of view	50°*63.4°
Pixel size	17um
Output frame rate	≤20Hz
Thermal sensitivity	<60mK
Working environment temperature	0°C~35°C
Temperature range	-20°C~400°C
Accuracy	1) -20°C~0°C: ±5°C; 2) 0°C~100°C: ±3°C; 3) 100°C~400°C: ±5%
Measurable distance range	0.5m~1.2m
Color palette	Six
High/low temperature alarm	√
SENSOR non-uniformity	<5%
Size	3.5 inch
Display resolution	320*240
Visible light resolution	640*480
Storage	External 8G MicroSD card
Storage memory	SDRAM:256Mbit+SPI NOR FLASH:64Mbit
Communication Interface	USB2.0(FS)
Video output	Can be chosen
Power	26650 lithium battery/ 5000mAh/3.7V
Light	High-power white LED
Protection class	IP65
Operating temperature	-10°C~50°C
Storage temperature	-40°C~70°C
Drop resistance	1.5m
Dimension	238*95*85.5mm
Weight(W/I battery)	540g

6 Color Palettes

Comfortable Vision
Adjustable Emissivity



Infrared &
Visible Light



Big memory with
2000 pictures



Rechargeable
lithium battery
high capacity
last for 10 hours



Data export



Automatic
Hot / Cold
Spot Tracker



Warning for
high/low
temperature



Adjustable
Emissivity



3.5 inch large
LCD display

Automatic Hot Cold Spot Tracker

measure quickly, observe effectively
warning for high/low temperature



Features:

- Infrared / visible light dual camera display;
- 3.5" large color LCD screen;
- Imaging picture shooting
- 6 color palettes
- Automatic hot cold spot tracker
- Big memory with 2000 pictures
- Powerful LED Light
- Connect PC via USB cable



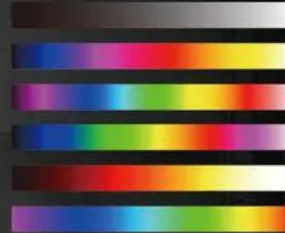
Infrared Thermal Imager

Model: TR256A



Model	TR256
Thermal imaging pixels	256*192
Spectral response band	8~14um
HFOV	55.6°±2.8°
Pixel size	12um
Output frame rate	≤20Hz
Thermal sensitivity	≤50mK@f/1,300K,30Hz
Working environment temperature	0°C~35°C
Temperature range	-20°C~550°C
Accuracy	±3°C/±3%(Take the Maximum Value)
Measurable distance range	0.5m~1.2m
Color palette	Six
High/low temperature alarm	√
SENSOR non-uniformity	<5%
Size	3.5 inch
Display resolution	640*480
Visible light resolution	2 megapixels
Storage	External 8G MicroSD card
Storage memory	eMMC(8GB eMMC5.1 SanDisk)
Communication Interface	USB2.0(HS) *480M
Video output	Can be chosen
Power	5000mAh/3.7V
Light	High-power white LED
Protection class	IP65
Operating temperature	-20°C~60°C
Storage temperature	-40°C~70°C
Drop resistance	1.5m
Dimension	238*95*85.5mm
Weight(W/I battery)	540g

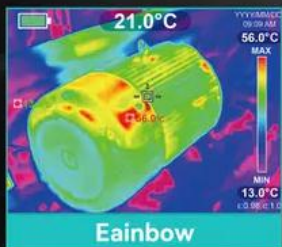
6 Color Palettes for better analysis



White Hot



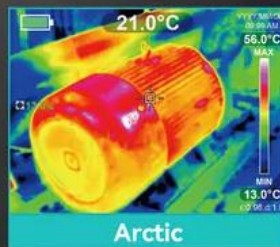
Iron



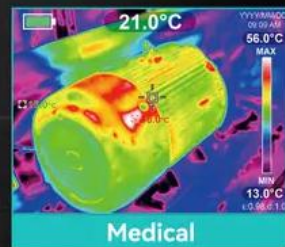
Rainbow



Lava



Arctic



Medical

10H Battery Life

Built in 5000mAh Rechargeable battery, Support high intensity work throughout all day



Features:

- Infrared / visible light dual camera display;
- 3.5" large color LCD screen;
- Imaging picture shooting
- 6 color palettes
- Automatic hot cold spot tracker
- Big memory with 2000 pictures
- Powerful LED Light
- 256*192 large pixel
- Measuring range -20°C~550°C
- Video output function



Infrared Thermal Imager

Model: TR256C

Laser distance measurement / GPS / WIFI connection)

Specifications

Model	TR256C
Thermal imaging pixels	256*192
Spectral response band	8~14um
HFOV	55.6°±2.8°
Pixel size	12um
Output frame rate	≤20Hz
Thermal sensitivity	≤50mK@f/1,300K,30Hz
Working environment temperature	-10°C~50°C
Temperature range	-20°C~550°C
Accuracy	±3°C/±3%(Take the Maximum Value)
Measurable distance range	0.5m~1.2m
Laser measured distance	20m
Color palette	Six
High/low temperature alarm	√
Laser distance	√
GPS	√
WIFI	√
SENSOR non-uniformity	<5%
Size	3.5 inch
Display resolution	640*480
Visible light resolution	2 megapixels
Communication Interface	USB2.0(HS) *480M
Power	5000mAh/3.7V
Light	High-power white LED
Protection class	IP65
Operating temperature	-20°C~60°C
Storage temperature	-40°C~70°C
Drop resistance	1.5m
Dimension	238*95*85.5mm
Weight(W/I battery)	555g



Automatic hot/
Cold Spot Tracker

WIFI

SYNC Display

PC App

Support offline
analysis on PC

55.6°

55.6°Wide View

Laser

Laser Distance
Meter



Adjustable
Emissivity

3.5 inch

256 & 2MP

Dual light fusion



Parameter Comparison

Model	TR120E	TR120	TR256A	TR256C
Display size	2.4 inch	3.5 inch IPS	3.5 inch IPS	3.5 inch IPS
Display resolution	320*240	320*240	640*480	640*480
Thermal imaging pixel	10800 (120*90)	10800 (120*90)	49152 (256*192)	49152 (256*192)
Accuracy	±2°C+2% greater (10 ~ 400°C)	1) -20°C ~ 0°C: ±5°C; 2) 0°C ~ 100°C: ±3°C; 3) 100°C ~ 120°C: ±5%	±3°C	±3°C
Spectral response band	8~14µm	8-14µm	8-14µm	8-14µm
Pixel size	17µm	17µm	12µm	12µm
Thermal sensitivity	<60mK	<60mK	≤50mK	≤50mK
Measuring range	-20°C~400°C	-20°C~400°C	-20°C~550°C	-20°C~550°C
Palette	Six color palettes	Six color palettes	Six color palettes	Six color palettes
High and low temperature alarm	√	√	√	√
Power supply	2600mAh Li-ion 3.7V	5000mAh Li-ion 3.7V	5000mAh Li-ion 3.7V	5000mAh Li-ion 3.7V
Communication interface	Type-C USB	Type-C USB	Type-C USB 2.0(HS)*480	USB 2.0(HS)*480
LED lighting	Ordinary LED lamp	High Power White Led	High Power White Led	High Power White Led
IP level	IP54	IP65	IP65	IP65
HF0V	55.6°*38°	55.6°*63.4°	50°*63.4°	55.6°±2.8°
Storage Temperature	-20°C~60°C	-40°C~70°C	-40°C~70°C	-40°C~70°C
Drop Test	2m	1.5m	1.5m	1.5m
Size	197*72*60mm	238*95*85.5mm	238*95*85.5mm	238*95*85.5mm
Weight	310g	540g	540g	555g
Video output	×	×	√	√
Laser distance measurement	×	×	×	√ (20m)
GPS	×	×	×	√
WIFI	×	×	×	√



Mini Thermal Imaging Camera

Model: TR256i / TR160i

Mini Thermal Imaging Camera

Temp Range
-15°C~600°C

Resolution
256x192/160x120



Net weight 19g &
Aluminum Alloy Shell



Take Video
and Photo



Regional Temperature
Measurement



Type-C
OTG Interface



Parameter

Infrared thermal Imaging

	TR160i	TR256i
Resolution	160 X120	256 X 192
Working Wavelength	8~14 μm	
Frame Rate	25 HZ	
NETD	<50 mk@25°C	
Field of View	35°X27°	56°X42°
Lens	3.2 mm	
Measuring Range	-15°C~600°C	
Precision	±2°C or ±2%	
Temperature Measurement	Highest, Lowest, Central Point and Area Temperature Measurement are Supported	
Color Palette	Iron, White Hot, Black Hot, Rainbow, Red Hot, Cold Blue	

Universal

Language	English
Operating Temperature	-10°C~75°C
Storage Temperature	-45°C~85°C
Water Proof	IP54
Product Size	34mm x 26.5mm x 14mm
Product Weight	19g

Thanks

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