IRTECH

TEMPERATURE MEASUREMENT

Thermal Imaging Cameras

www.dali-irtech.com

HANDHELD/PORTABLE
THERMAL IMAGING CAMERAS

NEW

T9/T10-M
Handheld Thermal Imager

- Intelligent analysis
- 640x480/384x288 resolution and super pixels up to 1280x960 /768x576 resolution
- App supported
- HDMI video output ,Type-C connector
- Auto/manual focus lens, with extended lens option
- Fast auto focus
- 4.0" TFT LCD touch screen
- Free professional analysis reporting software

Parameter		
Item	T9	T10
Detector type	Uncooled FPA	
FOV	25°×19°/0.1m	
Spatial resolution	1.12mrad	0.67mrad
NETD	≤0.05°C@30°C	
Accuracy	±2°C or ±2% (of reading，which is greater)	
Temperature range	-20°C~+650°C，can be extended to 1200°C	
Measuring mode	Real-time 4 movable points(the hottest and coldest points are independent),3 movable areas(the highest temperature,the lowest temperature capture, average temperature measurement), line temperature measurement, is othermal analysis, temperature difference measurement,temperature alarm (sound,color).	
Display	Thermal/visible camera/PIP/DSIE	

T4/T8
Handheld Thermal Imager

- 2 meters drop resistance
- Thermal /visible camera Picture-in Picture
- 384x288/160x120 Uncooed FPA detector
- Sound and color alarming ,60 seconds Voice annotation, blue tooth transmission
- Auto focus /Manual focus ,Built in WIFI options
- 3.5" TFT LCD touch screen
- Extended lens supported
- Free professional analysis reporting software

Parameter		
Item	T4	T8
Detector type	Uncooled FPA	
FOV	25°×19°/0.1m	
Spatial resolution	2.72mrad	1.36mrad
NETD	≤0.05°C@30°C	≤0.04°C@30°C
Temperature range	-20°C~+350°C，can be extended to 650°C	-20°C~+650°C，can be extended to 1200°C or 2000°C
Accuracy	±2°C or ±2% (of reading，which is greater)	
Measuring mode	Up to 5 moving points, up to 5 moving areas ,up to 2 moving lines, hottest point ,coldest point ,average temp measure , Isothermal analysis, temperature difference, temp alarm (sound, color)	
Memory cards	8G Micro SD card，up to 32G supported	

LT3/LT7
Handheld Thermal Imager

- 2 meters drop resistance
- Thermal /visible camera image switchable
- 3.5" screen display
- Real time image recording ,
- Sound& Color alarming ,60 seconds voice annotation
- Extended lens supported
- Multiple temp measurement modes
- Free professional analysis reporting software

Parameter		
Item	LT3	LT7
Detector type	Uncooled FPA	
FOV	25°×19°/0.1m	
Spatial resolution	2.72mrad	1.36mrad
NETD	≤0.06°C@30°C	≤0.05°C@30°C
Temperature range	-20°C~+350°C，can be extended to 650°C	-20°C~+650°C，can be extended to 1200°C
Accuracy	±2°C or ±2% (of reading，which is greater)	
Measuring mode	Up to 4 moving points, up to 3 moving areas(hottest point , coldest point ,average temp measure) ,up to 2 moving lines, Isothermal analysis, temperature difference, temp alarm (sound, color)	
Memory cards	8G Micro SD card，up to 32G supported	

NEW

T3X
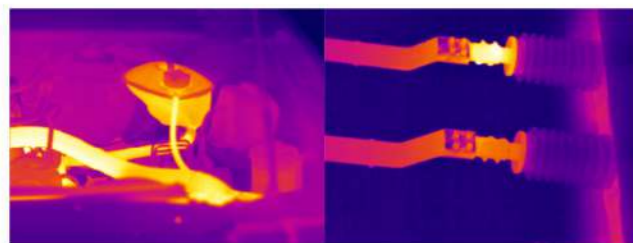## Handheld Thermal Imager

- 320x240/160x120 resolution, can expand to 640x480
- Full screen infrared and visible light switching
- 3.5''screen
- Real-time image storage
- Audible and visual alarm, 60 seconds voice clip
- Multiple lens optional
- Multifunction temperature measurement mode
- Free professional analysis report software

Item	T33	T36
Detector type	Uncooled FPA	
FOV	25°×19°/0.1m	
Spatial resolution	2.72mrad	1.36mrad
NETD	≤0.05℃@30℃	
Temperature range	-20℃~+350℃	-20℃~+650℃
Accuracy	±2℃ or ±2% (of reading，which is greater)	
Measuring mode	Real-time 5 movable points, 5 movable areas(the highest temperature, the lowest temperature capture, average temperature measurement), 2 line temperature measurement, isothermal analysis, temperature alarm(sound, color)	
Storage card	8G Micro SD card, can expand	

T1-M
Handheld Thermal Imager

- Light and small, 510g only
- 160x120 resolution uncooled detector
- Full screen infrared and visible light switching
- 3.2''screen
- USB Type-C interface, support charging and data transmission
- Real-time image storage
- 2m drop resistance
- 0.06℃ high sensitivity
- Free professional analysis report software

Item	T1
Detector type	Uncooled FPA
FOV	28°×37°/0.1m
NETD	≤0.06℃@30℃
Spatial resolution	4.4mrad
Temperature range	-20℃~+250℃
Accuracy	±2℃ or ±2% (of reading，which is greater)
Measuring mode	Fixed center point, full screen highest/lowest temperature, temperature alarm (sound, color)
Storage card	16G Micro SD card, can expand

NEW
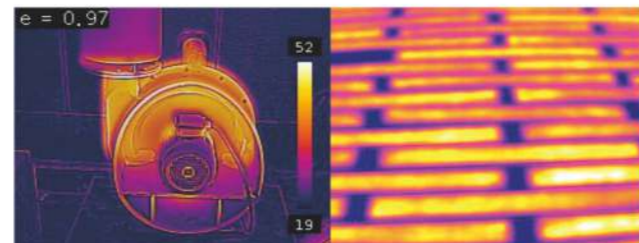
DL801/802-M
Portable Thermal Imager

- Intelligent analysis and diagnosis, according to the preset inspection tasks to realize Intelligent shooting and diagnosis
- 640x480/1024x768 resolution, can expand to 1280x960/2048x1536
- Auto/manual thermal lens, extended lens supported
- 5'' color touch screen, 180° rotary spotlight unit
- With Infrared, visible light, Picture in picture, Dual band image fusion, thermal overlay mode
- Instant automatic focus
- With photograph and video functions
- WIFI real-time image transmission, remote APP control and analysis
- Adaptable for Bluetooth headset audio transmission
- 1~8X continuous digital zoom
- Free professional analysis report software

Item	DL801-M	DL802-M
Detector	640×480	1024×768
FOV	25°×19°	28.7°×21.7°
Spatial resolution	0.67mrad	0.49mrad
NETD	≤0.04℃@30℃	
Temperature range	-40℃~+650℃, can be extended to 1500℃	-40℃~+650℃, can be extended to 2000℃
Accuracy	±1℃ or ±1%(0~150℃), ±2℃ or ±2% (within temperature range)	
Display	Infrared or visible light full screen switching, PIP, thermal overlay, dual band fusion image	
Measuring mode	Real-time 10 movable points, 10 movable areas, movable line temperature measurement, isothermal analysis, temperature difference measurement, temperature alarm(sound, color)	
Storage card	32G Micro SD card, can expand 128G	
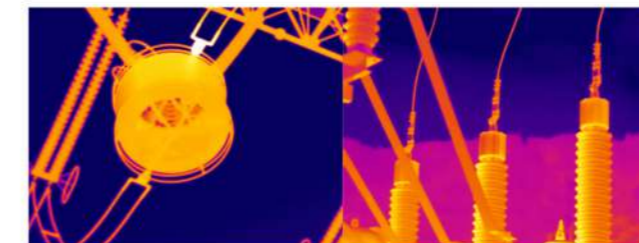
DL700
Portable Thermal Imager

- 640x480 resolution uncooled detector
- Infrared, visible light image fusion, thermal overlay, PIP
- MPEG4 video, JPEG image storage
- Multiple lens optional
- Online real-time image transmission
- Fast auto focus
- 5'' color LCD rotary touch screen
- Multifunction temperature measurement mode
- 1~8X continuous digital zoom
- Free professional analysis report software

Item	DL700
Detector type	Uncooled FPA
FOV	25°×19°/0.3m
Spatial resolution	0.65mrad
NETD	≤0.03℃@30℃
Temperature range	-40℃~+650℃
Accuracy	±2℃ or ±2% of measured value, whichever is greater
Display	Infrared or visible light full screen switching, PIP, thermal overlay, dual band fusion image
Measuring mode	Real-time 10 movable points, 5 movable areas(the highest temperature, the lowest temperature capture, average temperature measurement), movable line temperature measurement, isothermal analysis, temperature difference measurement, temperature alarm(sound, color)
Storage card	8G Micro SD card, can expand 32G

NEW

TEMPERATURE MEASUREMENT THERMAL IMAGING MODULES
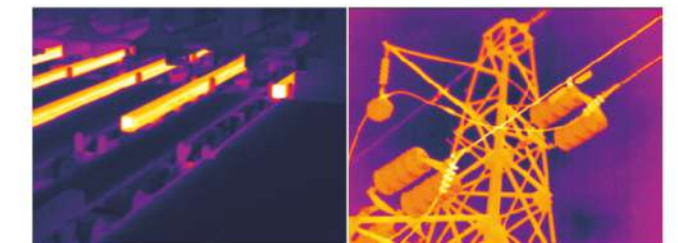
V16 Mobile Phone Portable Thermal Imager

- 160×120 resolution uncooled FPA detector
- Support 11 kinds of palettes
- 4 kinds of temperature measurement modes
- Image enhancement,picture-in-picture,image correction functions

| Parameter	
Item	V16
Detector type	Uncooled FPA
FOV	29.7°×38.9°
NETD	≤0.06℃@30℃
Temperature range	-10℃~+300℃
Accuracy	±2℃ or ±2℃ of reading（Take the larger value）
Image enhancement	Digital detail enhancement DDE
Image storage	Mobile App supports photograph and video recording functions
Measuring mode	Central point, highest temperature/lowest temperature, movable point and regional temperature measurement
Dimension	W57mm×H25mm×D23.5mm
Weight	33g
Interface	USB Type-C

SD16B Micro Module

- 160×120 resolution uncooled FPA detector
- Small size, light weight, low power consumption and rich interfaces
- Accurate temperature measurement,each frame outputs 160×120 temperature data
- Self-development core detector,mass production and application
- High-speed serial port, SPI and USB output interfaces

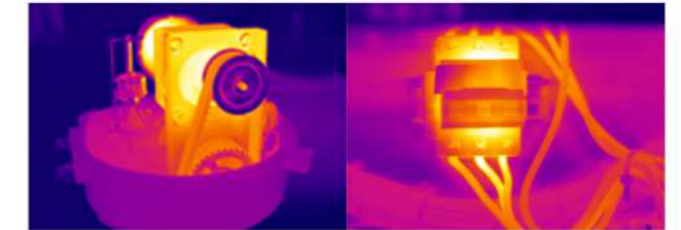| Parameter			
Item	SD16B-2	SD16B-3	SD16B-6
Detector type	Uncooled FPA		
NETD	≤0.06℃@30℃		
Power	≤0.5W		
Accuracy	±2℃ or ±2℃ of reading （Take the larger value）		
Range	-10℃~+300℃		
Measuring mode	Full radiometric temperature measurement		
Dimension	24.5×32.5×18.7	24.5×32.5×20.7	24.5×32.5×24.5
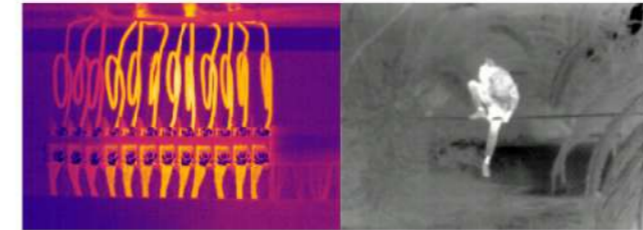
TD16A Micro Full Radiometric Temperature Measurement Module

- 160×120 resolution uncooled FPA detector
- Small size, light weight, low power consumption and rich interfaces
- Accurate temperature measurement,each frame outputs 160×120 temperature data
- Wafer-level infrared detector, mass production and application
- High-speed serial port, SPI and USB output interfaces

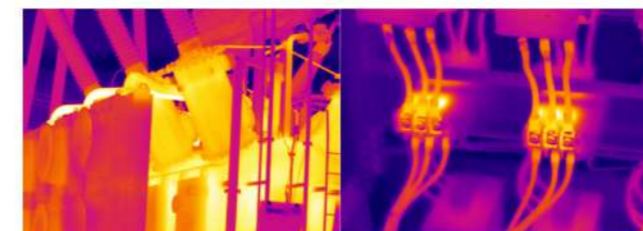| Parameter			
Item	TD16A-2	TD16A-3	TD16A-6
Detector type	Uncooled FPA		
NETD	≤0.06℃@30℃		
Power	≤0.5W		
Accuracy	±2℃ or ±2℃ of reading （Take the larger value）		
Range	-10℃~+300℃		
Measuring mode	Full radiometric temperature measurement		
Dimension	20×20×21(Without lens)		

D8X3NT Network Temperature Measurement Module

- 640×480/384×288 resolution uncooled FPA detector
- Built-in kinds of palettes optional
- Accurate temperature measurement, abnormal alarm
- Multi-lens optional

Parameter	
Item	D8X3NT
Detector type	Uncooled FPA
NETD	≤0.06℃@F1，300K，25Hz
Power	DC 12V
Measuring mode	±2℃ or ±2℃ of reading （Take the larger value）
Range	-20℃~+600℃
Measuring mode	Multi-point, multi-area temperature measurement

D8X3T Analog Temperature Measurement Module

- 640×480/384×288 resolution uncooled FPA detector
- Built-in kinds of palettes optional
- Intelligent fire detection function
- Multi-lens optional

Parameter	
Item	D8X3T
Detector type	Uncooled FPA
NETD	≤0.06℃@F1，300K，25Hz
Power	DC 12V
Accuracy	±2℃ or ±2℃ of reading （Take the larger value）
Range	-20℃~+600℃
Measuring mode	The highest/lowest/average temperature automatic tracking alarm function in the full screen area, 1 central point temperature

ON-LINE TEMPERATURE MEASURING INFRARED THERMAL IMAGER

DM10 On-line Temperature Measuring Thermal Imager

- On-line temperature measuring thermal imager
- 160 X120/100 X 100 pixel uncooled detector
- 4 million HD visible light modules are combined
- Strong technology of dual-band image fusion
- Rich interface and convenient use
- 60 ultra-wide field of view, wide observation range
- Installation is simple and easy to use
- Network interface, analog video interface
- Provide free SDK development package

Parameter

Item	DM10	DM10-L
Detector type	Uncooled FPA	
FOV	60°×45°/0.2m	37°×37°/0.2m
NETD	≤0.06°C@30°C	≤0.08°C@30°C
Spatial resolution	6.5mrad	
Temperature range	−20℃~+150℃	
Temperature measurement mode	6 movable points, 6 movable areas, highest temperature and lowest temperature average temperature measurement, temperature alarm.	3 movable points, 3 movable areas, highest temperature and lowest temperature average temperature measurement, temperature alarm.

DLD-T On-line Temperature Measuring Thermal Imager

- 640 X 480/384 X 288/160 X 120 pixelsUncooled detector
- Temperature measurement range:-20 C ~+600 C
- Temperature measurement accuracy: 2 degrees or 2% reading range, whichever is the maximum
- The original heat map data is output, and the data image can be analyzed and measured
- Support cross-border detection, regional intrusion detection and motion detection
- Alarm: when an event occurs, the picture is sent to the email address or FTP server registered by the user, or saved in the micro SD card
- Compliance with 0NVIF this product supports ONVIF Profi le-S.

Parameter

Item	DLD-TXX-160	DLD-TXX-384	DLD-TXX-640
Detector type	Uncooled FPA		
NETD	≤0.08°C@30°C	≤0.06°C@30°C	
Lens	3.8mm:60°×42°	18mm: 21°×15.5° 9mm: 41°×31°	25mm:24.9°x18.7° 9mm:69°×52°
Range	-20℃~ +150℃	-20℃ ~+600℃	
Measuring mode	6 movable points, 6 movable areas, highest temperature and lowest temperature average temperature measurement, temperature alarm.	3 movable points, 3 movable areas, highest temperature and lowest temperature average temperature measurement, temperature alarm.	

NEW

DLSC-QD Network on-line Temperature Measuring Thermal Imager

- Passive thermal imaging video, high-sensitivity camera video output
- Support fire detection, full screen, area detection and automatic alarm
- High-strength alloy aluminum integral die-casting outer, internal all-metal frame
- Adapt to all kinds of harsh environments, such as smog, darkness and strong light
- The front-end temperature measurement is accurate
- Rich interface and convenient integration
- Optional athermalized lens (9mm/18mm/25mm/37mm)

Parameter

	Item	DLSC-QD3XX	DLSC-QD6XX
Infrared	Detector type	Uncooled FPA	
	Pixel	384×288	640×480
	NETD	≤0.06°C@30°C	
	Focal length	15mm/30mm	25mm/42mm
	Temperature range	-20℃~+600℃	
CCD	Pixel	4 million	
	Lens	37x optical zoom	
PTZ	Angle of rotation	Continuously rotate horizontally from 0 to 360 and vertically from-20 to 90	
	Yuntai preset position	360	
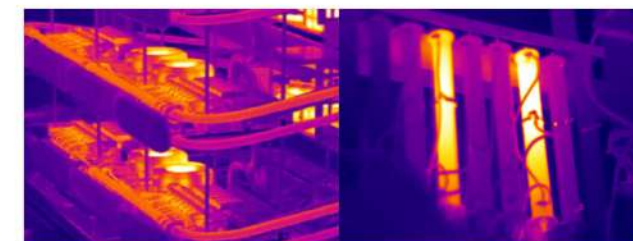
DLSC-RL Temperature Measurement Monitoring System

- Uncooled detector with 640X480/384X288 pixels
- Full real-time display
- The front-end temperature measurement is accurate
- Small size and light weight
- Rich interface and convenient integration
- Support angle feedback
- Optional athermalized lens

Parameter

	Item	DLSC-RL315	DLSC-RL330	DLSC-RL625	DLSC-RL642
Infrared	Detector type	Uncooled FPA			
	Pixel	384×288		640×480	
	NETD	≤0.06°C@30°C			
	Lens	15mm	30mm	25mm	40mm
	Temperature range	-20℃~+600℃			
CCD	Pixel	2 million			
	Lens	25x optical zoom			
PTZ	Angle of rotation	Continuously rotate horizontally from 0 to 360 and vertically from-90 to 90			
	Yuntai preset position	200			
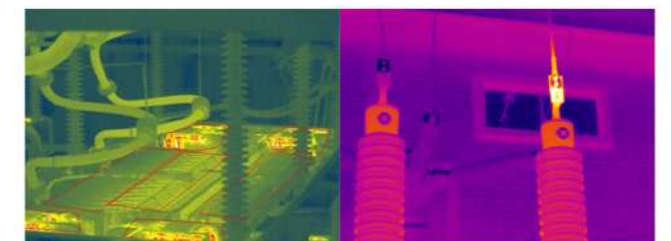
HUMAN BODY TEMPERATURE MEASUREMENT INFRARED THERMAL IMAGER

Efficient prevention and control of the epidemic

In 2003, infrared technology responded to the SARS epidemic, with 20 years of human infrared temperature measurement technology.
The Ministry of Industry and Information Technology designated key prevention and control material production enterprises during the period of 2020 to prevent the new crown epidemic.

AI artificial intelligence

Supports simultaneous detection of multiple face temperatures
Support multi-person over-temperature alarm at the same time
Support face recognition (mask detection, face recognition when wearing a mask). Face alarm, recognition and comparison, real-time face capture

Non-contact, rapid temperature measurement from a long distance

Instant temperature measurement, no need to stayThe temperature measurement distance can reach 10 meters, and it can work 24 hours a day

People flow statistics

The software management platform real-time statistics of the flow of people, automatically generate reports based on date, time, personnel, temperature, etc., and automatically report data.

Remote video transmission

SDK development kit and open data interface, full network, dual-spectrum image IP output, remote video transmission (ONVIF, RTSP) with real-time temperature display

Intelligent temperature algorithm based on scene

The body surface temperature mode of the body (under the armpit) is automatically converted, and the body temperature of the body is displayed in real time.

High temperature alarm, sound alarm

Automatically capture the highest temperature, alarm at the same time with image and sound

Flexible deployment

Support multiple configurations and multiple deployment methods

Blackbody real-time proofreading

Real-time temperature control of the equipment at the temperature measurement site, and the temperature measurement accuracy ≤ 0.3 degrees

Appearance setting: 37 degrees
Accuracy: 0.1 degree
Weight: <3 kg
Size:155x133x137mm

DM60-W
Infrared Thermal Imaging Body Temperature Warning System

- AI artificial intelligence
- Long temperature measurement distance and wide range
- People flow statistics, rapid screening of large flow
- Intelligent temperature algorithm based on scene
- Open data interface, remote video transmission
- Quick temperature measurement without stopping
- Temperature measurement accuracy ≤ 0.3 degrees

Parameter				
Item	DM60-WS1	DM60-WS	DM60-W3-S	DM60-W3-P
Detector type	Uncooled FPA			
Pixel	160×120	320×240	384×288	640×480
Field of view	40°×30°	17.3°×13°	20.8°×15.6°	34°×26°
Range	20℃~50℃			
Accuracy	≤0.3℃			
Distance	1~3m	2~7m	3~10m	3~10m
Intelligent function	Support face temperature detection, face recognition comparison			
Visible light	200万			
Alarm trigger	Support. voice			
Host weight	1.5Kg			
Host size	232×145×85（mm）			

DM60-WS1 PLUS
Infrared Thermal Imaging Body Temperature Warning System

- Black body integration
- AI artificial intelligence
- Long temperature measurement distance and wide range
- People flow statistics, rapid screening of large flow
- Early warning automatic capture, real-time video
- Quick temperature measurement without stopping
- Temperature measurement accuracy ≤ 0.3 degrees

Parameter	
Item	DM60-WS1 PLUS
Detector type	Uncooled FPA
Pixel	160×120
Field of view	40°×30°
Range	20℃~50℃
Accuracy	≤0.3℃
Distance	1~3m
Intelligent function	Support face temperature detection
Visible light	200万
Alarm trigger	Support. voice
Host weight	1.5Kg
Host size	250×145×85（mm）

NEW

TE-W400/W300

Infrared Thermal Imaging Rapid Body Temperature Screening Instrument

- 24 hours uninterrupted testing
- Non-contact rapid screening
- Can be externally connected to a large screen display
- High-precision human body temperature measurement algorithm
- Automatically adjust the contrast
- Picture in Picture
- 2 meters drop resistance

| Item	TE-W400	TE-W300
Detector type	Uncooled FPA	
Pixel	384×288	160×120
FOV	25°×19°	
Range	20°C~50°C	
Accuracy	≤0.3°C(With black body)	
	≤0.5°C(Without black body)	
Distance	2~5m	
LCD	3.5"LCD	
LCD screen	Visible light 3.2 million Image annotation	
Image annotation	Text annotation, 60-second voice annotation	
Image Processing	Automatic/manual adjustment of contrast, brightness, automatic enhancement mode	
Color palette	11 color palettes available	

TE-W100

Infrared Thermal Imaging Rapid Body Temperature Screening Instrument

High cost performance / Flexible combination of temperature measurement methods

- Temperature measurement accuracy ≤0.5°C
- No-touch rapid screening
- Small size and light weight
- Built-in lithium battery
- 1.5m drop resistance

Item	TE-W100
Detector type	Uncooled FPA
Pixel	160×120
FOV	28°×37°
Range	20°C~50°C
Accuracy	≤0.3°C(With black body)
	≤0.5°C(Without black body)
Distance	1~3m
LCD	3.2"LCD
Display	Infrared image and visible light image can be quickly switched
Image Processing	Automatic
Color palette	4 color palettes available
Charging method	Random use of USB port
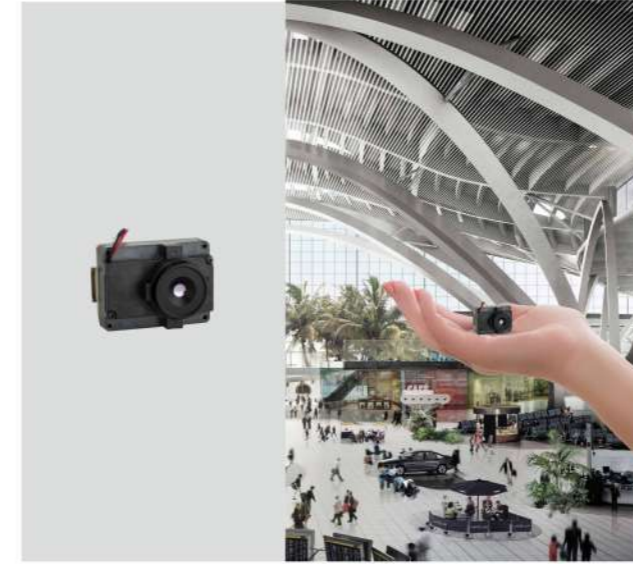
SD16W

Human Body Temperature Measurement Infrared Imager Module

- Facilitate the integration of temperature measurement series
- Full-scale temperature measurement, output 160x120 emperature data per frame
- Accurate temperature measurement, with black body to meet ≤0.3°C human body temperature measurement
- Independent and controllable sub-cooling infrared display sensor
- High-speed serial port/SPI/USB multiple interfaces for easy integration and docking

Item	SD16W-3	SD16W-6
Detector type	Uncooled FPA	
Pixel	160×120	
Power	≤0.5W	
Accuracy	With ±0.1°C blackbody real-time correction meets ≤0.3°C	
Range	20°C~+50°C	
Measuring mode	Full-scale temperature measurement	
Size	W24.5×H32.5×D20.7mm	W24.5×H32.5×D24.5mm

MD16T/MD24T

Integrated Mini Black Body Accurate Human Body Temperature Measurement

- Integrated micro black body, high temperature measurement accuracy, stable performance, and small influence of working environment temperature
- Full-frame human body temperature measurement: 240x180 /160x120 temperature point data is provided for each frame of image, suitable for a variety of applications
- Flexible application: users can perform personalized algorithm processing such as back-end image stretching and pseudo-color rendering
- Small size, convenient installation, universal single USB cable input and output

Item	MD16T	MD24T
Detector type	Uncooled FPA	
Pixel	160×120	240×180
Power consumption	≤1w (room temperature steady state), peak 2.5W	
Accuracy	≤0.3°C (temperature environment 20°C~30°C)	
	≤0.5°C (temperature environment 10°C~40°C)	
Temperature range	10°C~+40°C	
Measuring mode	Full-scale temperature measurement	
Size	W70mm×H40mm×D53mm	

DEDICATED TYPE THERMAL Imager


Gas Leakage Detection Thermal Imager

GF706

- 320×256 pixel cooled detector
- NETD:0.001ml/s
- No need specific background or auxiliary light source
- Fast leakage detection mode
- Video recording function
- Gas Leakage detection and temperature measurement function
- 5"LCD foldable touch screen
- 3 lens for option
- Free professional analysis report software
- Special designed for SF6 gas leakage

GF706 could detect below gas:

Sulfur hexafluoride (SF6), methyl silane, acetyl chloride, methyl ethyl ketone, acetic acid, Methyl vinyl, ketone allyl bromide, acrolein, allyl chloride, allyl fluoride, trichloroethylene, ammonia (NH3), propylene, uranyl bromide, vinyl chloride, chlorine dioxide , Acrylonitrile, ethyl cyanoacrylate, vinyl ether, ethylene, furan, belly

Parameter

| Item	GF706		
Detector type	Detector type Cooled quantum well FPA		
FOV	14.5°×10.8°/0.5m	24°×18°/0.3m	8.8°×6.7°/0.8m
Spatial resolution	0.79mrad	1.13mrad	0.48mrad
NETD	≤0.025℃@30℃		
Frame rate	60Hz		
Visual camera	Built-in 5 million pixels CMOS，with LED		
Temperature range	-40℃~+500℃		
Spectral range	10.3-10.7um，peak value 10.55um		
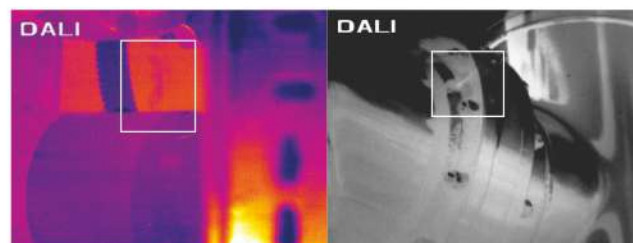
Mine Intrinsic Safety Thermal Imager

YRH350

- Lithium polymer intrinsically safe battery pack
- 160x120 pixel uncooled thermal detector
- 3.2 MP, CMOS，Built-in 2 LED light
- IR and Visual Switchable, IR/Visual Fusion (Picture-in-Picture)
- 3.5"TFT LCD，640×480, touch screen
- JPEG picture and MPEG4 video storage
- Multiple temperature measurement function settings
- Interface: network interface,video output,blue tooth etc
- IP54 protective level,2m drop resistance

Parameter

Item	YRH350
Detector type	Uncooled FPA
FOV	25°×19°
Spatial resolution	2.72mrad
NETD	≤0.05℃@30℃
Range	0℃~+350℃
LCD display	3.5" TFT LCD，640×480
Accuracy	±2℃ or ±2% of reading，whichever is greater
Measurement mode	5 Movable spots, 5 Movable areas, 2 movable lines, temperature tracking, temperature alarm (sound, color)
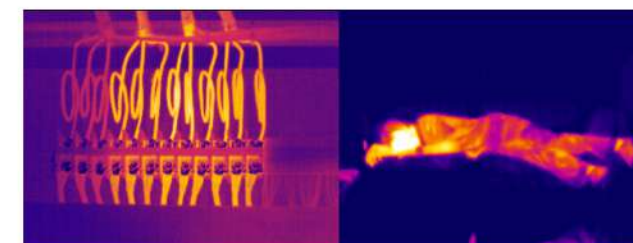
Firefighting Thermal Imager

F5

- Full compliance with GA/T635-2006 standards
- 384x288 pixel uncooled thermal detector
- Compass,laser range finder and wifi function 4.3" LCD display
- IP67 protective level,1m drop resistance
- Large wide-angle lens with reflective fluorescent strip attached 3 large buttons and shortcut keys design
- Built-in large-capacity memory to record pictures and videos
- Ultra-wide temperature measurement range among automatic shift
- Operation in ultra-high temperature environment

Parameter

Item	F5	F5-L
Detector type	Uncooled FPA	
Pixel	384×288	240×180
FOV	49.2°×36.3°	34°×26°
NETD	≤0.06℃@30℃	
Range	-20℃ to 1200℃ ,automatically change temperature range	
Accuracy	±2℃ or ±2% of reading，whichever is greater	
Protective level	IP67,1m water immersion	