

2018

SATIR

LEADING THE WAY IN THERMAL IMAGING

PRODUCT CATALOGUE

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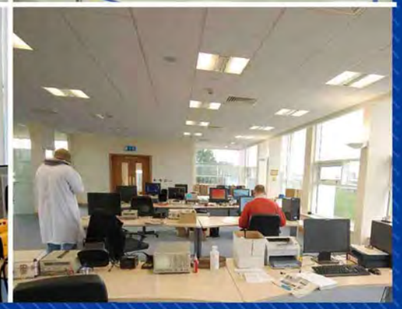












Corporate Profile

—10 Years in Ireland

SATIR is one of the world's leading civilian thermal imaging system manufacturers focusing on the development, production and marketing of infrared cameras. These cameras play a significant role in a wide range of industrial, commercial and governmental applications including, but not limited to, predictive & preventive maintenance, non–destructive testing, process control, research & development, building surveying and security.

SATIR' European Headquarters was founded in 2008 in Dundalk, Ireland, so in 2018 we are celebrating our 10–year anniversary. In 2016, SATIR's European Headquarters moved to a purpose built facility in Drogheda Co. Louth. The facility comprises of our sales & marketing team, production team and service centre, enabling us to offer product assembly, servicing, repairs and calibration for all products distributed into the European Union and strategic countries around the world. All OEM partners, distributors and customers are supported by SATIR Europe offering local supply and support.

In 2012 SATIR Europe became ISO9001 certified as SATIR prides itself on providing top quality products to our customers and meeting their expectations.

SATIR's parent company, Guangzhou SAT Infrared Technology Co. Ltd., is based in Guangzhou China and has over 20 years' experience manufacturing infrared cameras and has won many prestigious national awards. SATIR is fully capable of designing cameras to meet the needs of its customers.

SATIR has a product suitable for almost every level of user: entry level – for the beginner or hobbyist, performance level – for industrial applications and advanced level – for detailed thermal analysis. SATIR also has OEM products, and provides customers with excellent after–sales support. This is why we believe we are leading the way in thermal imaging as one of the world's best manufacturer of thermal cameras.



Industrial Thermal Imager Series

Meeting different industries, the essential tool for energy saving applications



5.5-inch HD LCD touch panel



PK-80
PK-160

The Real Tablet Thermal Camera

Ideal Portable Thermal Solution in the Age of the Internet

Tablet? Thermal Camera? Both!

PK series integrates tablet and thermal camera technologies, which makes the device a multifunctional, multi-application device.

Always Online

PK series can access the internet via either a WIFI connection or 3G Network. Users can share thermal information anytime, anywhere.

Ergonomic Design
Shock Resistance
Infrared Video Store
Anti-electromagnetic interference
Anti-drop
Thermal Video Player
Internet Connection
USB
Bluetooth
5.5" Touch Screen LCD
WiFi
Power Save



Perfectly integrated tablet and thermal camera technologies

Integrating infrared imaging technology with telecommunications technology. provides the user with a tablet that allows communication in real time, and allows live image video transmission.

Android Platform: Open Source and Expandable

Based on the Android operating platform, the system is intelligent, scalable and easy to use.



Multifunction USB connector

The USB port allows the user to re-charge camera and transfer data in one convenient connector.



5.5 Inch Capacitive Touch Screen

PK series has a 5.5 inch touch screen display, which provides a rapid response interface and an excellent user experience. The infrared image is displayed in higher definition and allows the user to see objects in finer detail.





8MP HD CCD

HD CCD provides vivid images with every detail.



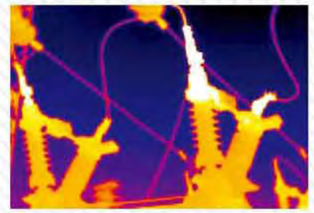
Additional BUILT-IN Features

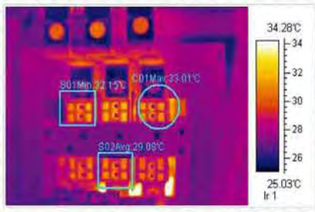
With Bluetooth, WiFi, compass, and other functions in one device, information can be transmitted anytime, anywhere with this professional infrared camera. These features make the PK series a multifunction, multi-application tool.

LEADING THE WAY IN THERMAL IMAGING
With our new camera for the tablet/internet generation

Powerful analysis functions

PK series provides powerful measurement features which include 5 moveable spots, auto high/low temperature tracking, temperature alarms, isotherm, circle and area boxes.







Thermal Testing



File Report

Type	PK-160	PK-80
Image performance		
FOV	24° x 32°	21° x 21°
Spatial resolution	3.05 mrad	4.6 mrad
Thermal sensitivity	≤0.08℃@30℃	≤0.1℃@30℃
Detector resolution	160x120	80x80
Focus	Fixed focus	
Image presentation		
Image mode	IR/CCD	
Visible pixels	High Definition CCD, 8 million pixels	
LCD Display	5.5" HD Capacitive touch screen	
File format(IR/CCD)	.JPG	
Temperature measurement		
Measurement mode	5 movable spots, auto hot/cold spot capture, isothermal analysis, 2 circle analysis, 2 rectangular analysis	3 movable spots, auto hot/cold spot capture, isothermal analysis, 1 circle analysis, 1 rectangular analysis
Measurement accuracy	±2℃ or ±2% of readings	
Protective Performance		
Encapsulation	IP54	
Shock/Vibration resistance	25G/2G	
Drop Resistant	Yes	
Operating temperature	0℃~+50℃	
Wireless transmission and positioning		
WiFi	Yes	
Bluetooth	Yes	
Additional features		
Built-in memory	Yes	
Video record	Yes	
Ports	USB port，3.5mm earphone port	



E8

Entry Level

E8 Series– affordable, compact and versatile

Lightweight, Compact structure

E8 series adopts our innovative upright design, weighing less than 500grams (including the battery), it is designed to fit into the palm of your hand.

Intelligent design, easy to operate

All of the control buttons are easy to reach, combined with the new improved menu, the user can control the camera with the touch of a button.

Powerful analysis functions

Up to 10 spot temperature points, automatic max/min spot capture, line analysis, regional analysis and isotherm.



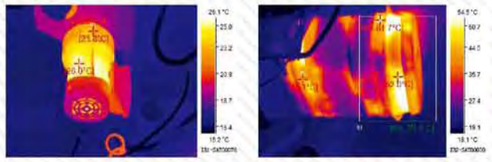




Ergonomic design, light weight, compact, convenient one–handed operation, large number of functions, great expandability, similar quality camera for cheaper now, the E8 series is probably the most desirable compact thermal imaging camera in the world. The weight of the camera including the battery is less than 500g and with its unique design fits smoothly into the palm of your hand.

Analysis function

Up to 10 spot temperature points, automatic max/min spot capture, line analysis, regional analysis and isotherm.



Multi–functional docking station

The multi–functional docking station with integrated battery charging, video output, tripod mounting and USB connection enables the E8 to connect with a PC for real–time radiometric data recording and analysis.



Bluetooth

Users can add voice annotation to the thermal images via a Bluetooth headset. The recording can be saved with the thermal image and can be played back in the headset or using the SatIrReport software.



Duo–vision

The E8 series can take high quality "Duo Vision" images which aids interpretation through thermal and visual blending. The user can move the infrared image overlay and alter the transparency to suit their application.





L–ion battery for continuous use

Large capacity L–ion battery combined with innovatively designed energy conversion modes enables the E8 series to continuously work for over three hours.



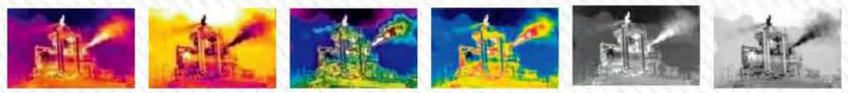
Ten languages

English/French/German/
Italian/Spanish/Portuguese/
Chinese/Japanese/Russian/
Korean



Six colour palettes

Iron/Iron Inverted/Rainbow/Feather/Grey/Grey Inverted

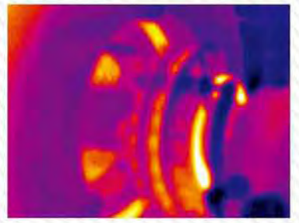


Iron | Iron Inverted | Rainbow | Feather | Grey | Grey Inverted



E8 Series– affordable, compact and versatile







Real–time transfer



Bluetooth



3 hours Continuous Operation



Friendly Operation Interface



USB



Multi–lenses optional



Multi–sockets



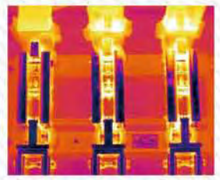
STD/PRO Software Optional

Type		E8
Image performance		
FOV/Min. focus distance		20° x15° /0.1m
Spatial resolution		2.2 mrad
Thermal sensitivity		≤0.08℃ @30℃
Detector type		UFPA (Uncooled focal plane array)
Detector resolution		160 x120
Spectral range		8–14um
Focus		Manual
Image presentation		
Image mode	IR	Yes
	CCD	Optional
	Duo–vision	Optional
Video output frequency		NTSC (60Hz) or PAL (50Hz) full dynamic output
LCD Display		3" TFT screen
Temperature measurement		
Measure range		–20℃~+250℃ (up to 1500℃,optional)
Accuracy		± 2℃ or ± 2% of readings
Image storage		
Type		Removable SD card(up to16GB)
Physical characteristic		
Weight		less than 500g
Additional features		
illuminator		Optional
Laser pointer		Yes
USB2.1 real–time transfer		Optional
Bluetooth		Optional

HotFind-VR
HotFind-LR

Middle Level

High performance IR camera for middle level applications







Sun Shield

Multi-lenses optional

USB

Bluetooth

Anti-electromagnetic interference

Abnormal Temperature Alarm

Easy to operate

3 hours Continuous Operation

Ergonomic Design

Multi-point temperature measurement Automatic capture





Large screen design, perfect presentation

Hotfind-VR, HotFind-LR uses a 3.5 inch LCD screen, the user can adjust the angle of the LCD for the best viewing angle. The Tilting design also provides protection for the LCD while the camera is not in use.

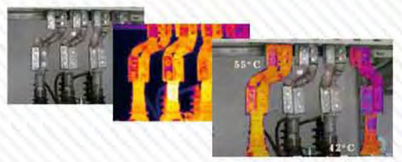
Extendable temperature range

Objects of different temperatures require the corresponding temperature ranged infrared cameras. The HotFind-VR, HotFind-LR has four temperature ranges. It can be extended from the standard -20 to 250℃, upto +1500℃, which means the HotFind series can also be widely used in high temperature applications.



Duo-vision technology

The HotFind-VR, HotFind-LR can take high quality "Duo-vision" images which aids better interpretation through thermal and visual blending. The user can move the infrared image overlay and alter the transparency to suit their application.



Various optional lenses

Flexible design of the camera means the HotFind-VR, HotFind-LR can be fitted with various optional lenses for different field of view. All lenses are field replaceable and allow for long distance, wide angle or close views.



Battery life

The HotFind–VR & Hotfind–LR uses lithium batteries with large capacity, and with its power saving design, it can work for more than 5 hours continuously.



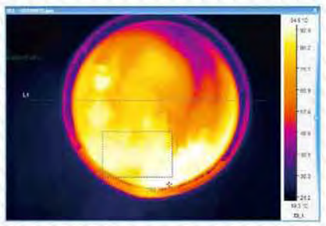
Bluetooth

Users can add voice annotation to the thermal images via a Bluetooth headset. The recording can be saved with the thermal image and can be played back in the headset or using the SatIrReport software.



Measurement Features

The HotFind–VR & Hotfind–LR have integrated Spots (up to 9), Line profile, Area Boxes (up to 5), multiple Isotherm and auto–tracking analysis, which provide accurate non–contact temperature measurement.



High frame rate in real time

HotFind–VR, HotFind–LR adopts NTSC (60Hz) or PAL (50Hz) composite video output. The thermal images are displayed in real time which guarantees complete and vivid thermal imaging with no ghosting.



High performance IR camera for entry level applications



Laser Pointer

The laser pointer can target areas of concern quickly and efficiently after the temperature anomaly was found, troubleshooting in time.

USB

Bluetooth

IP54

Shock Resistance

Sun Shield

Multi-lenses optional

3 hours Continuous Operation

Abnormal Temperature Alarm

Type		HotFind-VR	HotFind-LR
Image performance			
FOV/Min. focus distance		20° x15°/0.1m	24° x18°/0.1m
Spatial resolution		2.2 mrad	1.3 mrad
Thermal sensitivity		≤0.08°C@30°C	≤0.05°C@30°C
Detector type		UFPA (Uncooled focal plane array)	
Detector resolution		160 x120	384 x288
Spectral range		8-14um	
Focus		Manual	
Image presentation			
Image mode	IR	Yes	
	CCD	Yes	
	Duo-vision	Yes	
Video output frequency		NTSC (60Hz) or PAL (50Hz) full dynamic output	
LCD Display		3.5" TFT screen	
Temperature measurement			
Measure range		-20℃~+250℃ (up to 1500°C,optional)	
Accuracy		±2°C or ±2% of readings	
Image storage			
Type		2GB Removable micro SD card(up to16GB,optional)	
Physical characteristic			
Weight		less than 600g	
Additional features			
Available optional lenses		3.8°, 6.4°, 9°, 12°, 38°	9°, 12°, 48°
Illuminator		Yes	
USB real-time transfer		Optional	
Bluetooth		Optional	

HotFind-S

Middle Level

384x288 resolution high performance IR camera for universal industrial applications



DUO-VISION PLUS

Digital noise reduction, excellent imaging performance

Using new imaging processing technology to reduce interference, combined with the outstanding performance of the latest generation 384x288 detector, the HotFind-S produces sharper thermal images.

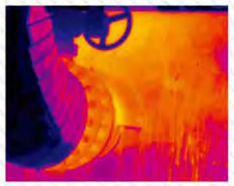
- Ergonomic Design
- Shock Resistance
- USB
- Multi-sockets
- Micro SD card
- IP54
- Abnormal Temperature Alarm
- DUO-VISION PLUS
- 4 hours Continuous Operation
- Sun Shield
- Multi-lenses optional
- Easy to Operate



High-speed processing, full-time dynamic image output

The high speed image processing engine with up to 50Hz dynamic real time graphical output, produces a smooth, no delay image.





Large storage capacity

HotFind-S can save thousands of infrared images or video of hours of video with its large capacity micro SD card, making it easy for user to review.



DUO-VISION PLUS technology

By applying the unique DUO-VISION PLUS technology, infrared image and visual image can be merged together to deliver high quality thermal image with exquisite details, making it even easier for the users to find out more.





3.5" Tilting LCD

HotFind–S uses a 3.5inch LCD screen, the user can adjust the angle of the LCD for the best viewing angle. The tilting design also provides protection for the LCD while the camera is not in use.

Dual Control– Keypad and Touch Screen

The camera comes with two methods of control, keypad and touch screen. The user can control the camera depending on their preference and application.



Various optional lenses

Flexible design of the camera means the HotFind–S can be fitted with various optional lenses for different field of view. All lenses are field replaceable and allow for long distance, wide angle or close views.



Battery life

HotFind–S uses lithium batteries with large capacity, and with its power saving design, it can work for more than 5 hours continuously.

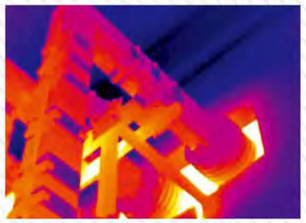


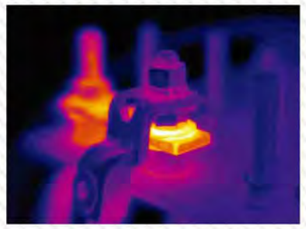
Digital noise reduction, excellent imaging performance

easy to use interface

The touch screen menu design is easy to use, intuitive and provides the user with a pleasant user experience with powerful analysis features.








Ergonomic Design


Shock Resistance



DUO-VISION PLUS


Multi-sockets


Abnormal Temperature Alarm


Bluetooth


4 hours Continuous Operation


Sun Shield

Type	HotFind-S
Image performance	
FOV	24° x18°
Spatial resolution	1.3 mrad
Thermal sensitivity	≤0.05°C@30°C
Detector resolution	384 x288
Focus	Manual
Image presentation	
Image mode	IR/CCD/DUO-VISION PLUS
Visible pixels	High Definition CCD, 5 million pixels
LCD Display	3.5″ Capacitive touch screen
Image output mode	Analog video output
File format(Thermal/Visual)	.JPG
Temperature measurement	
Measurement accuracy	-20℃~+600℃(up to 1500℃,optional)
Protective Performance	
Encapsulation	IP54
Shock/Vibration resistance	25G/2G
Drop Resistant	Yes
Operating temperature	-20℃~+50℃
Additional features	
Built-in memory	Yes
Ports	USB port、Analog video output port
Video record	Yes
Bluetooth	Yes

D300

Middle Level

High 384x288 resolution detector and laser ranging

DUO-VISION PLUS



Long time operation

nearly 8 working hours, incomparable by any other products in the market

High frame rate in real time

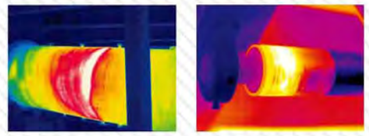
The high speed image processing engine with up to 50Hz dynamic real time graphical output, produces a smooth, no delay image.





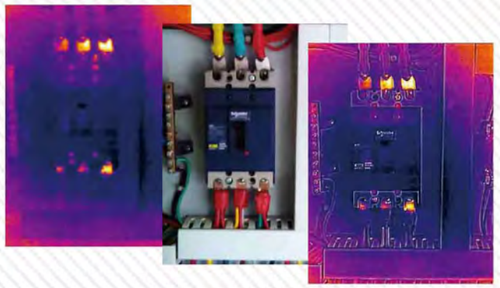
Laser ranger finder(LRF)

The LRF integrated into the D300 can help users to acquire accurate information of the target position and distance.



DUO-VISION PLUS technology

By applying the unique DUO-VISION Plus technology,the infrared and visual image can be merged together to deliver high quality thermal image with exquisite details, making it even easier for the users complete their analysis.



IR video recording

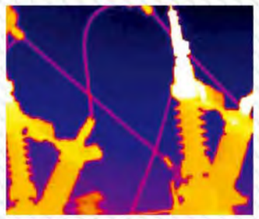
The IR video recording function enables the users to review the IR video and perform further analysis, giving the users full control to the operational status of the target.





5MP CCD

D300 integrates the 5MP CCD, providing the users with absolute clear visual image.





Flip and rotatable LCD

The D300 has a 3.5 inch rotatable and flippable LCD display, making it more user–friendly for touchscreen operation, and also enabling the user to get the best viewing angle.



Excellent imaging quality

D300 applies the latest image processing technology, which reduces interference, together with the excellent performance of the 384x288 infrared detector, D300 provides high quality infrared image with clear and fine details.

large storage capacity(built–in)

16GB built–in memory ensures the reliability and stability, making it possible to take images or videos without the need for extra memory.

Abnormal Temperature Alarm

Bluetooth

8 hours Continuous Operation

Sun Shield

Ergonomic Design

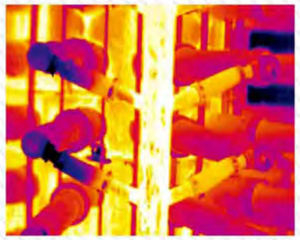
Shock Resistance

DUO-VISION PLUS

Multi-sockets







Type	D300
Image performance	
FOV	24° x18°
Spatial resolution	1.3 mrad
Thermal sensitivity	≤0.05°C@30°C
Detector resolution	384 x288
Focus	Motorized/Automatic
Image presentation	
Image mode	IR/CCD/DUO-VISION PLUS
Visible pixels	High Definition CCD
LCD Display	3.5” reversible capacitive touch screen
Image output mode	Analog video output
File format(Thermal/Visual)	.JPG
Temperature measurement	
Measurement range	-20℃ ~ +600℃ (up to 1500°C,optional)
Accuracy	±2°C or ±2% of readings
Laser	
Type	Class 2, 1mW/635nm, red
Laser ranging	Yes
Measurement range	0.05m ~ 30m
Protective Performance	
Encapsulation	IP54
Shock/Vibration resistance	25G/2G
Operating temperature	-20℃~+50℃
Additional features	
Built-in memory	Yes
USB Ports	Type-C
Video record	Yes
Bluetooth	Yes (Optional)
Real-time transmission	USB real-time transmission with temperature data (Optional)
Battery life	8 hours

NEW

D600

Performance level

High 640x480 resolution
detector and laser ranging

DUO-VISION PLUS



3.5" Tilting LCD

D600 uses a 3.5inch LCD screen, the user can adjust the angle of the LCD for the best viewing angle. The tilting design also provides protection for the LCD while the camera is not in use.

Automatic/Motorized Focusing

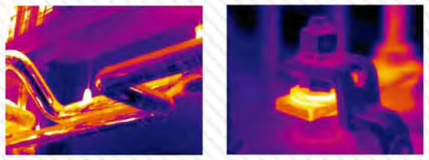
The D600 has a motorized lens which enables the user to focus the camera manually by using the keypad, or automatically using the touchscreen. This provides a clear and defined image for carrying out analysis.





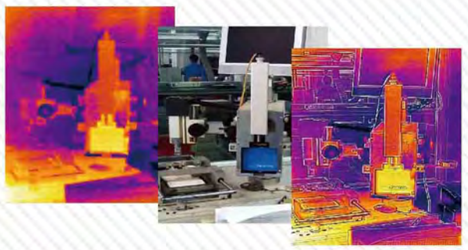
Excellent Image Quality

The D600 applies the latest image processing technology to reduce interference and together with the excellent performance of the 640x480 infrared detector, the D600 produces a high quality infrared image with clear and defined details.



DUO-VISION PLUS technology

By applying SATIR's DUO-VISION Plus technology, the infrared and visual image can be merged together to deliver a high quality and detailed image, that is unachievable through infrared alone, making it even easier for users to complete their analysis.



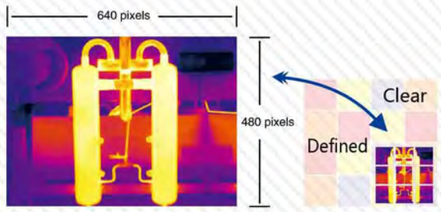
Flip and rotatable LCD

The D600 has a 3.5 inch rotatable and flippable LCD display, making it more user-friendly for touchscreen operation, and also enabling the user to get the best viewing angle.



High resolution 640x480 UFPA detector

At the heart of the D600 is a high resolution 640x480 UFPA detector. With an array of 307,200 active detectors, every on–screen pixel offers an accurate and reliable temperature measurement reading. A very high thermal sensitivity of 50mK (0.05°C@30°C) allows the D600 to display the sharpest images with superior image quality.



Long time operation

D600 uses lithium batteries with large capacity, and with its power saving design, it can work for more than 8 hours continuously.



Built–in Memory Storage

The 16GB built–in memory provides a reliable and stable platform to save images without the risk of losing external memory cards.



Laser ranger finder(LRF)

The LRF integrated into the D600 can help users to acquire accurate information of the target position and distance.





Type	D600
Image performance	
FOV/Min.focus distance	24° x18°/0.20m
Spatial resolution	0.65 mrad
Thermal sensitivity	≤0.05°C@30°C
Detector type	UFPA
Resolution	640x480
Spectral range	8-14um
Focus	Manual/Motor/Auto
Image presentation	
Image mode	IR/CC IR/CCD/Duo-vision//Duo-vision Plus
LCD Display	3.5" Capacitive touch screen,640x480
Visible pixels	High definition CCD , 5million pixels
Video output	NTSC (60Hz) or PAL (50Hz) composite video
Temperature measurement	
Measurement range	-20℃ ~ +600℃ , up to +1500℃(optional)
Accuracy	±2° or ±2% of readings
Measurement mode	8 movable spots, auto hot/cold spot, profile, 2 area boxes, isotherm, line
Alarm	Yes
Image storage	
Type	16GB
File format	.JPG(thermal/Visual)
Power system	
Battery type	Built-in rechargeable lithium-ion battery
Charge interface	Type-C
Power manage	Auto shut off / Sleep mode
Environment specification	
Operating temperature range	-20°C to +50°C
Storage temperature range	-40°C to +70°C
Encapsulation	IP54
Physical characteristic	
Tripod mounting	1/4"_20

G96

Performance Level

High resolution
640X480
detector



5" detachable LCD with remote control unit

A 5" LCD makes working in hazardous areas and on long surveys easier for the operator. The detachable remote control panel can be operated in either the left or right hand and allows full access to the camera functions.

User friendly design, easy to handle

G96 is based on the successful system platform developed by SATIR.
The new design incorporates a new user experience with powerful analysis features.





Adjustable Angle OLED
Ultra clear viewfinder



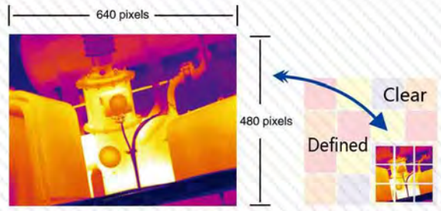
Infrared, illuminator,
laser pointer and visual camera,
four channel technology



5"high-definition display

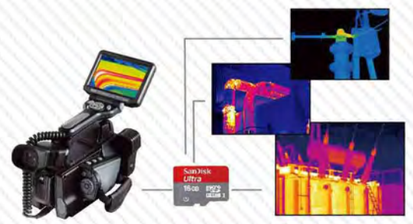
High resolution 640x480 UFPA detector

At the heart of the G96 is a high resolution 640x480 UFPA detector. With an array of 307,200 active detectors, every on–screen pixel offers an accurate and reliable temperature measurement reading. A very high thermal sensitivity of 50mK (0.05℃ @ 30℃, 50/60Hz) allows the G96 to display the sharpest images with superior image quality.



Thermal video recording

G96 can record a non–radiometric thermal video onto the micro SD card . The user can save the thermal video up to a total of 6 hours using a 16GB micro SD card . The thermal video is stored in MP4 format, which can be played back by any generic media player.



USB infrared data transmission in real time

G96 can save the infrared images as well as connect via USB to the infrared image with temperature data, real–time video transmission to the computer. Through SatIrReport USB, you can play and analyze infrared video.





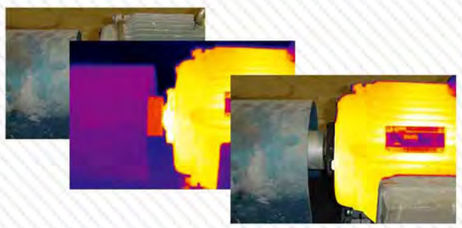
5” detachable LCD with remote control unit

A 5” LCD makes working in hazardous areas and on long surveys easier for the operator. The detachable remote control panel can be operated in either the left or right hand and allows full access to the camera functions.

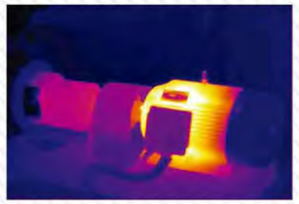
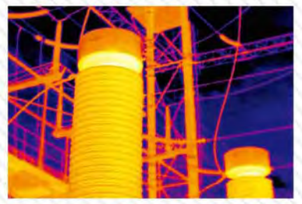


Duo-Vision

Image fusion is an advanced infrared and visible image processing technology, through this technology, G96 can put the infrared and visible light images are superimposed, so that users can find the problem more intuitively and more accurately. G96 comes with a variety of fusion mode, the user can be adjusted according to the need.



High resolution 640X480 detector



Friendly Operation Interface

Modular Design Function Free Combination

Four-channel

Ergonomic Design

640×480 Resolution

Easy to Operate

USB

Duo-vision

Real-time transfer

Micro SD card

STD/PRO Software Optional

5-inch LCD Display Remote Control

Type		G96
Image performance		
FOV/Min. focus distance		24° x18° /0.5m
Spatial resolution		0.65mrad
Thermal sensitivity		≤0.05℃@30℃
Detector type		UFPA (Uncooled focal plane array)
Detector resolution		640x480
Spectral range		8-14um
Focus		Motorized/Auto-focus
Image presentation		
Image mode	IR	Yes
	CCD	Yes
	Duo-vision	Yes
LCD Display		5” TFT screen
Viewfinder		Built-in HD OLED viewfinder
Temperature Measruement		
Measurement range		-20℃~+600℃,up to+2000℃ (optional)
Accuracy		± 2℃ or ± 2% of readings
Image storage		
Type		16GB Removable Micro SD card
Thermal video record		Yes
Additional features		
Illuminator		Yes
Transfer real-time thermal data		Yes
Available optional lenses		7° , 12° , 48°

V Series

Infrared thermal imager for detecting gas leakage

Powerful,Multi–usage,
Detection gas leakage



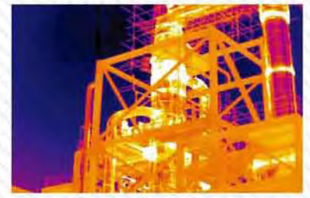


Multi–usage, meet different testing requirements

V Series gas leak detector infrared thermal imager can be used to detect and locate the gas, it also can be used to check temperature of an object and do some predictable testing as an ordinary infrared thermal imager.Changing limitations of conventional testing equipment can only achieve a single function, but V series product can achieve multi-usage and solve a variety of problems.

Various gas leak detection

V series gas leak detector can detect a variety of acetyl chloride, acetic acid, allyl bromide, allyl propyl fluoride, ammonia, methyl silane, bromine methane, chlorine dioxide, cyano ethyl acrylate, ethylene, furan, hydrazine, vinyl ether, acrylonitrile, methyl ethyl ketone, methyl vinyl ketone, acrolein, acrylic, trichloroethylene, uranyl fluoride, vinyl chloride and other gas besides SF6.V90 methane and combustible gas leak detector can detect methane gas, and also can to benzene, ethanol, ethyl benzene, heptane, hexane, isoprene, methanol, ethyl ketone, methyl isobutyl ketone of (a), methyl isobutyl ketone, octane, pentane, 1 – pentene, toluene, xylene, butane, ethane and methane, propane, ethylene, propylene and other organic gas.





3.5 inch LCD touch screen brightness, built–in OLED viewfinder

3.5 inch high brightness LCD screen and built–in high–definition OLED viewfinder, they can better present the details of the objects and help us to check and locate the defective parts.Touching the screen can complete all of the operations.



Built–in high definition digital camera with LED

V series products have built–in high definition digital camera, When taking the IR images, it can store the IR image and the target visible light image at the same time in order to check and archive lately.



Having a good performance in low illumination environment

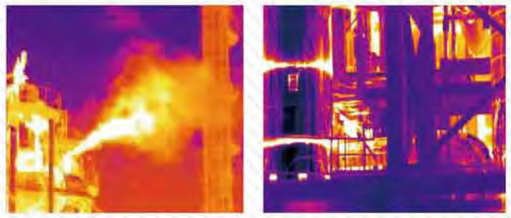


Recorded fully radiometric IR-video with temperature data

V series gas leak detection infrared thermal imager with video recording function, which can record the dynamic testing process with a real-time video and store all the temperature data at the same time. Users can replay the whole testing process video and analyse video to generate the corresponding test report when users lately replay the recording video.

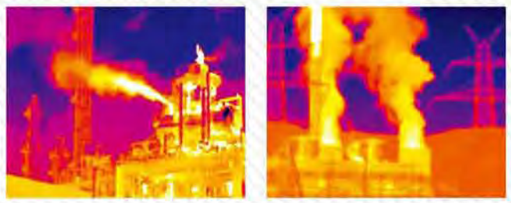
Leak detection operations without any auxiliary light

Gas leak detector generally need to use auxiliary illuminant irradiation (such as laser), after irradiation by a reflected light fixing the gas leak, the addition auxiliary light will lead to increase equipment volume and power consumption, moreover,light reflection is also easy to cause misjudgement. V series gas leak detection infrared thermal imager using temperature characteristics of gas leakage, with the method of passive detection, without any auxiliary light source can pinpoint the location of the gas leak.



High sensitivity, never missing any leak

V series product uses the high sensitivity of Cooled QWIP detector, its temperature resolution reached 0.025℃ and leak detection sensitivity reached 0.001 ml/s. A small temperature difference, the tiny leakage both can be detected and captured, so it won't leave out any possible hidden danger.

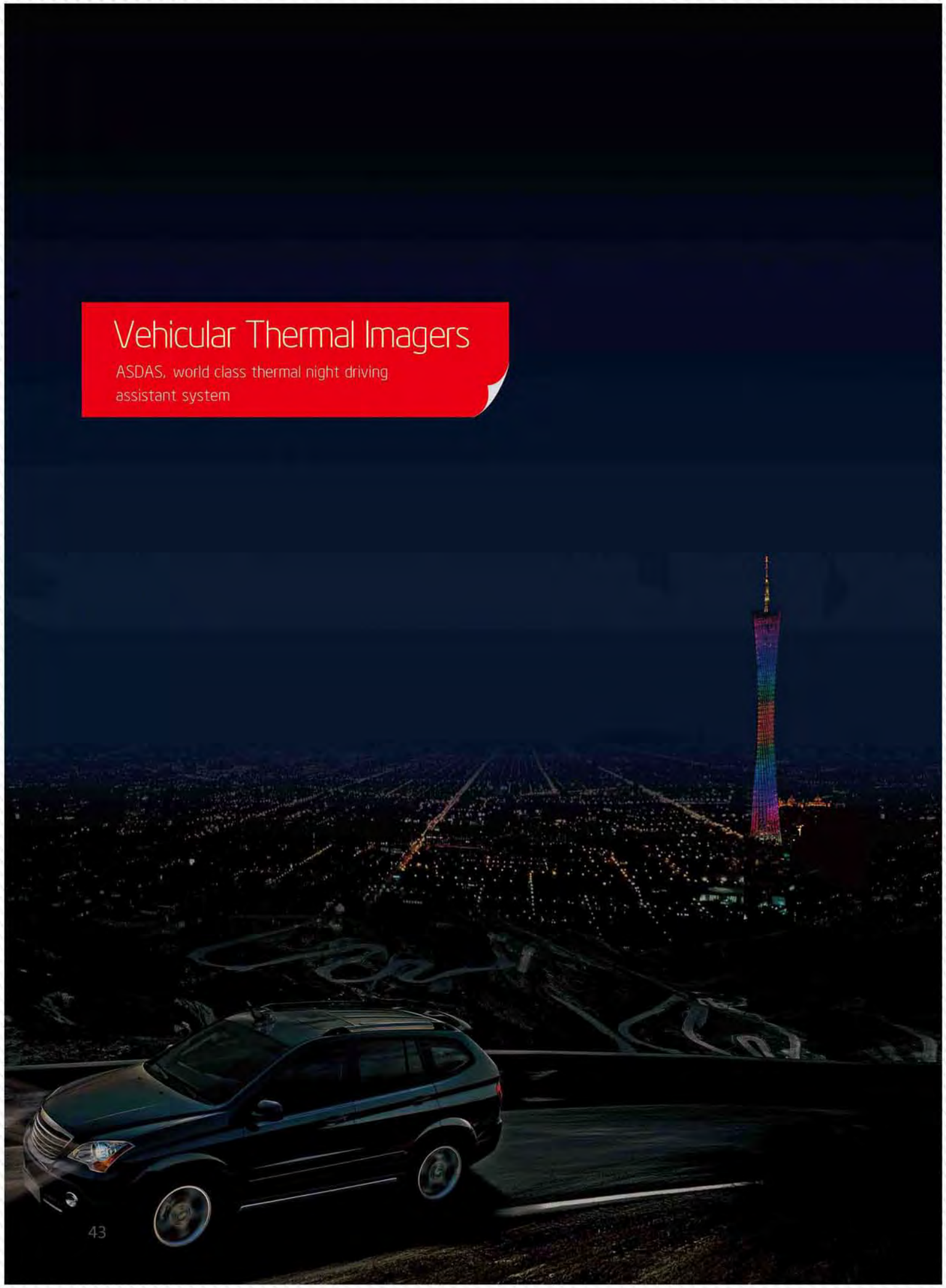


Equipped with a laser positioning and temperature measuring, voice recording and other highend function

V series products with laser instruction function and the position of the laser spot can directly displayed on the infrared image, the current of the laser spot temperature values also can display instantly .It is convenient for users to control position timely.V series products also have other functions, such as "voice recording", "real-time transmission", and "internal storage" .etc.



Type	V80	V90
Image performance		
Field of view	11°×8.8°	
Minimum focusing distance	0.3m	
Spatial resolution	0.6mrad	
Focus	Automatic/Manual	
Thermal sensitivity	0.025℃(@30℃)	
Responsivity	0.001ml/s	
Frame frequency	50Hz	
Detector type	Cooled QWIP detector, 320×240 pixels	
Spectral range	10～11um	3～5um
Start-up time	< 7min	
Built-in digital camera	Built-in CCD camera 5 million pixels	
Temperature measurement		
Measurement range	- 20℃ ~ + 300℃	
Accuracy	±2℃ or ±2% of readings	
IR-video storage(No need for laser)		
IR-video	Recording of 16 bit fully radiometric IR-video to SD-card	
Laser		
Classification	Class 2	
Type	Semiconductor AlGaInP Diode,laser: 1mW/635 nm red	
Image storage		
Type	32G Removable SD card	
File Format-Thermal	IMA with 16 bit measurement data or JPEG	
File Format-Visual	JPEG linked with corresponding thermal image	
IR Video Recording	Recording of 16 bit fully radiometric IR-video(IRV) to SD-Card or AVI Format	
Physical characteristics		
Weight(including battery)	≤2.3kg	
Size(L×W×H)	292×140×146(㎜)	
Environment specification		
Operating temperature range	- 20℃～50℃	
Storage temperature range	- 40℃～70℃	
Humidity	10%～95%,non-condensing	
Encapsulation	IP54,IEC529	
Shock	25G,IEC68-2-29	
Vibration	2.5G,IEC68-2-6	
Interfaces		
USB2.0	Image (thermal and visual), temperature measurement,voice and text transferred to PC	
The type of gas		
The type of gas	Sulfur Hexafluoride,Acetyl Chloride,Acetic Acid,Allyl Bromide,Allyl Chloride,Allyl Fluoride,Ammonia (NH3), Bromomethane, Chloride Dioxide, EthylCyanoacrylate,Ethylene,Furan,Hydrazine,Methylsilane,Methyl Ethyl Ketone,Vinyl Cyanide,Methyl Vinyl Ketone, Propene, Tetrahydrofuran,Vinyl Ether, Trichloroethylene,Uranyl Fluoride,Vinyl Chloride,Propenal	Benzene,Ethanol,Ethylbenzene,Heptane,Hexane,Isoprene, Methanol,MEK,MIBK,Octane,Pentane,1-Pentene,Toluene, Xylene,Butane,Ethane,Methane,Propane,Ethylene,Propylene



Vehicular Thermal Imagers

ASDAS, world class thermal night driving assistant system

La Moon



NV618W

NVES

Automotive assistance system for safe night driving

Ability to see clearly at night

NV618W will provide a wide angle view of the road, and at a further distance than normal headlights. High resolution image provides clear indication of the road layout and hazards which are approaching the vehicle. Improving awareness so the driver can react to the conditions.



Driver assistance during poor weather conditions

NV618W uses advanced technology to provide additional awareness for the driver. Highlighting hazards so the driver is aware of what is in front of them earlier allowing time to take corrective action if required.



Unaffected by oncoming headlight glare

NV618W infrared technology to avoid the glare from on–coming vehicles, thus provides safer driving.





Pedestrian detection

NV618W offers more than one hundred meters detection, and with our intelligent software we can recognize pedestrians and alert the driver, thus ensuring vigilance to the oncoming pedestrian.



Convenient Installation

Wireless technology means no cabling or need to break the vehicles integrity. A long life battery means the device can be powered without an external power supply.







Great system integration











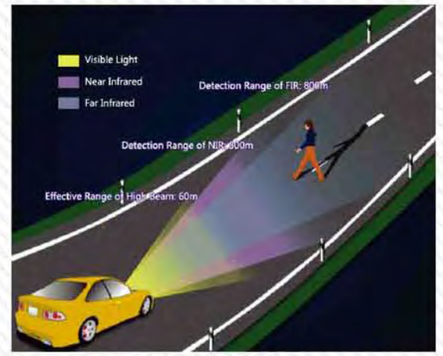
NV618W – an advanced professional automotive safety night driving assistance systems, which can support GPS, WIFI, 2G/3G (WCDMA), Bluetooth data transmission; MP3, AAC, WMA and other audio formats; MPEG4, H.264, H.263, WMV and other video formats. This product suitable for various vehicles model.

High resolution detector:

NV618W uses a UFPA infrared detector. The 384x288 detector and internal LCD display provide high quality images to the driver.

Wireless transfer solution:

the device uses full duplex wireless transmission technology; both images and control commands are transferred wirelessly.









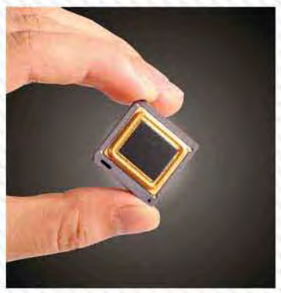
Type	NV618W
Camera	
FOV	28° x21°
Detector type	UFPA (Uncooled focal plane array)
Detector resolution	384x288
Encapsulation	IP65
Power	
Battery type	Rechargable lithium–ion battery
Operation time	Up to 3 hours, depending on environment
External power supply	DC10–30V
Car charger	Standard configuration
Environment specification	
Camera	–40℃ ~ +60℃
Physical characteristic	
Camera	175mmx115mmx102mm; Weight:770g
Features	
	Receiver wireless video Wireless infrared serial command transmission Body recognition Record and replay infrared video



NV628

NVES

Automotive assistance system for night safety driving







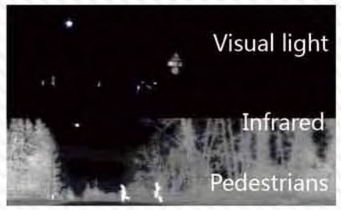
Ideal choice for car manufacturers and retro fitters to enhance the value of their vehicles

The likelihood of a traffic accident which could cause damage to the vehicles involved and also to human life dramatically increases when driving in poor visibility / low light conditions.(Such as—poor visibility during night driving, foggy weather or haze, glare from an oncoming vehicles headlights and under other adverse weather or lighting conditions.) it can also cause a delay in free flowing traffic due to the incident and in severe cases the contents of the vehicles are damaged which increases the cost onto the insurers.



NV628, the internal thermal night driving assistant system has a lightweight design and can be integrated into different types of vehicles and will not affect their appearance.

Prevents the disadvantages of glare from oncoming vehicles headlights





Infrared Digital Detail Enhancement (DDE)

DDE is an advanced non-linear image processing algorithm, which allows high dynamic range images retain their details. The operator can clearly recognize image details even if there is a significant change in temperature in the scene. The original image background matches the total dynamic range based on the enhanced Image detail.





Pedestrian Detection and Recognition System (PDS) – Automobile Infrared

Aiming to improve safety issue between vehicles and other road users including pedestrians, the PDS system adopts a vehicle–mounted sensor to enhance total protection. This built–in system uses a far infrared camera and DSP microprocessors combined with automatic intelligent detection algorithms to detect heat signatures (mainly for pedestrians at night) and also to assist the driver by increasing his awareness outside the vehicle.





Encapsulation level of IP69K

NV628 is encapsulated in an IP69K housing making it dust and water –proof.

Infrared thermal optical system design technology

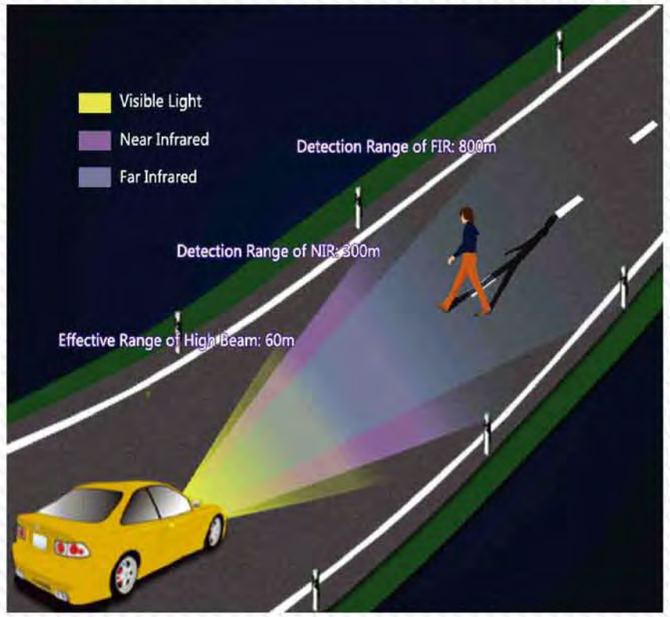






The ASDAS infrared optical system uses a vehicle diffractive optical element (also known as binary optical elements). This hybrid system uses a unique temperature characteristic diffraction element and optical power distribution, to achieve accurate focusing at a temperature range –40℃~+120℃.

Automotive assistance system for night safety driving







Type	NV628
Image performance	
Observation distance	800m (for vehicle)
FOV	28° ×21°
Spatial resolution	1.27mrad
Detector type	UFPA (Uncooled focal plane array)
Detector resolution	384x288
Spectral range	8–14um
LCD Display	Car built–in or External monitor
Video output	NTSC (60Hz) or PAL (50Hz)
Power supply	DC12V 3A, can be powered directly from car cigarette lighter
Encapsulation	IP69K
Shock	25G
Vibration	2G
Weight	400g
Size(L*W*H)	81.5mm × 57.5mm × 57.5mm

DUO-VISION PLUS

Unique Duo-vision PLUS technology

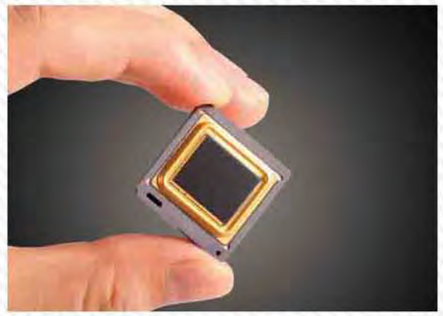


NEW

New generation of NV618S

Automotive Night Vision Observation & Detection System

Night observation system for the automotive with due vision technology





The new generation of NV618S combines infrared and low light system for the night vision of automotive, which can greatly enhance visibility while driving in dark, foggy environments or environments with a lot of glare, it can enable the drivers to see pedestrians, vehicles or obstacles under above poor visibility environments, and guarantee the safety of the driving.

Thermal imaging system ◀ Dual system ▶ Low-Level Light



Thermal imaging mode, distant objects are clearly visible



Low-Level Light Mode near objects can be seen in detail

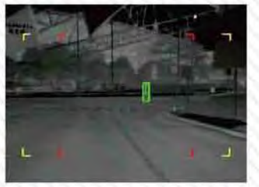
NV618S Low-Level-Light Night Vision features:

- Details can be seen clearly in dim/low light condition
- Vehicle plate number and faces are easily identifiable in low-light conditions.
- NV618S is suitable for night driving and observation in poor visibility and it can also assist the police in monitoring an area, or aid in forensics.
- When in a well lit environment, or observing objects at a distance, please switch to Thermal Imaging Mode.

Unaffected By smoke, dust and haze

Using LWIR the NV618S easily penetrates through fog, haze, smoke and dust.





Police Law Enforcement

The NV618S uses long range infrared viewing technology that leaves criminals nowhere to hide.





Infrared Digital Detail Enhancement (DDE)

DDE is an advanced non-linear image processing algorithm, which allows high dynamic range images retain their details. The operator can clearly recognize image details even if there is a significant change in temperature in the scene. The original image background matches the total dynamic range based on the enhanced Image detail.







IR

IR+Low light



Low light



Low light+duo vision

Various of operation modes

The new generation of NV618S combines the advantages of infrared imaging and low light imaging, it provides various of modes such as IR (black hot/white hot), low light, IR(black hot/white hot)+ Low light in duo vision, and low light+IR(black hot/white hot) , users can choose the best mode according to their needs.

Dual channel design, night becomes as clear as day

NV618S can detect pedestrian beyond 200 meters and vehicles beyond 500 meters. It provides a broad and clear view of the road to the driver, making them more aware of the road condition and assisting them to drive safely.





Unaffected by oncoming headlight glare

NV618S infrared technology to avoid the glare from on-coming vehicles, thus provides safer driving.

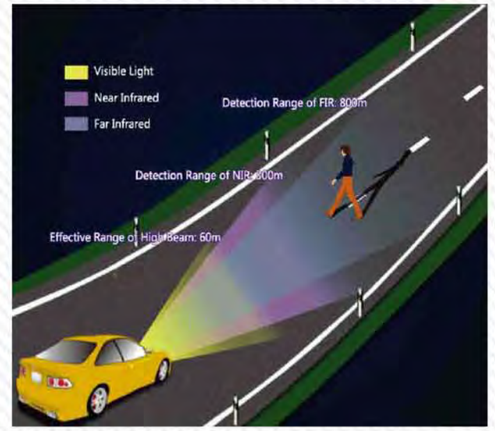




The new generation of NV618S can clearly show an image of the road in a dark or hazy environment; headlight glare and similar visual impairments do not effect the NV618S. Due to this, it helps the driver detect pedestrians, vehicles and other obstacles allowing ample time to react accordingly, thus improving general road safety in low visibility conditions.







Model	NV618S
Performance of Infrared imaging	
Detector Type	UFPA
Spectral range	8～14μm
Resolution	384x288
FOV	36°×27°
NETD	<0.05°C
Image processing	DDE+FILTER
Performance of low-light level	
Image sensor	1/1.9" CMOS Image Sensor
Resolution	1280x720
White balance	Auto
SNR	>45dB
Dynamic range	76dB
Illumination	1×10-3 lx
FOV	36°×27°
Display Screen	
Size of Screen	8.4"
Resolution	800x600
Low-temperature heating of Screen	Supported
Parameters	
Operating Mode	Infrared(black hot/White hot)、Low light、Infrared+Low light fusion、Low light+ Infrared Duovision
Identification Range	Human (1.7*0.5m) ：≥150m Car (2.5*2.5m) ：≥300m
Defrosting	Auto
Size of Core	89.5 × 116 × 70 mm (±1 mm)
Weight of Core	≤750 g
Power supply	DC 9～32V
Consumption	≤50W
Encapsulation	Main Part：IP67/Screen：IP65
Operating temperature	Main part：-40℃ ～ +80℃ Screen：-20℃ ～ +60℃

Special Application Series

Infrared thermal imager for special industry





HRYXJ-A

Firefighting

Anti-drop

Built-in lens

Multi-temperature ranges

Waterproof

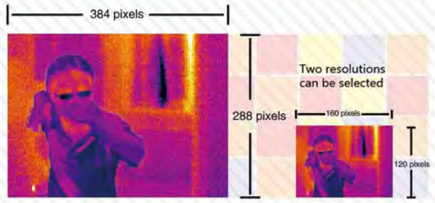
IP67

Two resolution options available

- Ergonomic design, easy to operate
- IP67 protection– waterproof
- Sturdy construction
- Robust design and construction
- Two detector resolutions, multiple temperature ranges

Two resolutions can be selected

HRYXJ–A has two optional resolutions, 160x120 for HRYXJ–A(160) and 384x288 for HRYXJ–A(384). Both models provide the same operational functions.



HRYXJ–A with full temperature measurement

High temperatures in a fire breakout situation will threaten the lives of fire–fighters and the public. The temperature measurement function within the HRYXJ–A can identify the regions of high temperature, helping the fire–fighters evaluate dangerous areas.
There is always a risk of reigniting even after the fire has been extinguished. Fire–fighters can find places with high temperature using the HRYXJ–A and take actions to prevent reigniting.



Camera design

The built–in infrared lens ensures the best possible protection for the optical system and its wide angle lens provides better situation awareness. The HRYXJ–A is specifically designed for fire–fighting and rescue work.



Waterproof

Being fully certified to IP67 encapsulation is a vital standard of any infrared camera for fire–fighting. HRYXJ–A has passed rigorous waterproof testing and can maintain normal operations for 30 minutes under water at a depth of one meter.



Drop test

The HRYXJ–A complies with the industry standard drop test, if dropped onto solid ground from a height of 1.8 meters it can still maintain its normal performance.




Anti-drop


Built-in lens


Multi-temperature ranges


Ergonomic Design


Waterproof



IP67


Two resolution options available


Easy to Operate





Type	HRYXJ-A	
Image performance		
FOV/Min. focus distance	38° x 28.5°/0.5m	56° x 42°/0.5m
Spatial Resolution	3.8 mrad	3.1 mrad
Thermal sensitivity	≤0.08°C@30°C	≤0.05°C@30°C
Detector type	UFPA (Uncooled focal plane array)	
Detector resolution	160 x120	384x288
Spectral range	8-14um	
Focus	Fixed focus	
Image presentation		
Image mode	IR	
LCD Display	TFT LCD screen	
Video output	NTSC (60Hz) or PAL (50Hz) composite video	
Temperature measurement		
Measurement range	-20℃~+250℃ ; +200℃~+ 600℃; +200℃~+1000℃(Optional)	
Measurement mode	Auto hot spot tracking/Central spot	
Correction	Auto	
Battery system		
Battery operating time	2.5 hours	



CK350-M

Medical Infrared Thermal Imaging Camera







Rapid investigation of large temperature areas, to prevent exposure to the testing personnel. The application of thermal imaging inspection is based on heat radiation from human skin. It is non-invasive, comfortable method to use on patients. The use of thermal imaging in the medical sector has proved to be very effective.



Mainstream 384x288, UFPA (FPA, uncooled microbolometer) Infrared detector

Specially designed optical system for medical diagnosis

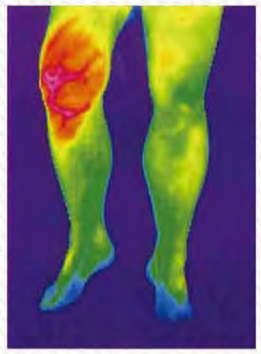
High temperature sensitivity, can capture slight temperature differences

Powerful analysis function and convenient operation process

Specially optimized operation software system for the medical diagnosis and analysis







Camera	CK350-M
Infrared	
Detector type	FPA,uncooled microbolometer
Resolution	384×288
Thermal sensitivity	0.05℃@30℃
Spectral range	8～14um
Focal length/FOV	24°×18° / 20mm
Special resolution	1.09mrad
Palette	Multiple modes
Interfaces	
USB transmission	Yes
Power	
Requirements	12VDC
Consumption (heating/normal)	N/A、≤5W
Environment Specification	
Operating temperature range	0℃～+50℃
Storage temperature range	-40℃～+70℃
Humidity	≤95%, non-condensing
Encapsulation	IP 54
Shock resistance	25G
Vibration resistance	2G
Software	
Standard software	SatMedical
Measuring range	0℃ ~ +60 ℃
Measuring accuracy	±0.5℃
Spot analysis,Hot/cold spot capture,Line analysis,Isotherm area,Area analysis,Polygon area,Measuring report,Trend analysis,Histogram,Palette settings	Yes
Measuring parameter settings	Emissivity , ambient temperature, distance , relative humidity
Image adjustment	Automatically or manually
Over-temperature alarm	no
System Features	
Temperature alarm signal output	no
Temperature alarm signal record	no
Measuring report automatically generate	no
Storage function in PC	
Infrared images real-time recording / playback	Yes
Infrared images offline analysis	Yes
Video recording	Yes
Image recording	Yes
Text annotation	Yes
Physical Characteristics	
Camera Weight	1KG
Camera Size (L×W×H)	200mm×110mm×100mm
Optional accessories	
Bracket	optional
Computer Recommended Configuration	
Monitoring computer	Compatible with Windows XP, Vista, 7, 8, 8.1 & 10 Recommended System Hardware: 2GHz Dual-Core CPU or better, 2GB RAM or more, 10/100M or better NIC, 500GB Hard Drive or larger, 1280x800 resolution monitor, an Internet connection.



YRH600

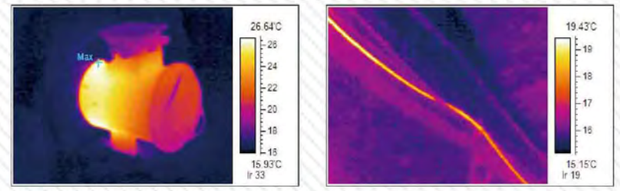
Coal Mining

YRH600 is an infrared camera specially designed for the coal mining industry. The housing of YRH600 is made by reinforced industrial plastic, which strengthens the ex-proof ability of the camera, but keeps it light weight. Internal PCBs have gone through insulation processing. Special ex-proof batteries are provided to make sure the YRH600 strictly complies with the requirements for coal mining applications.

- Power Save
- Friendly GUI
- Bluetooth
- Ergonomic Design
- Multi-Certification
- PRO/USB Software Optional
- 38° Wide Angle
- Multi-Temperature Ranges
- USB
- Cost-effective and advanced technology
- variety of lens options
- Mini SD Card

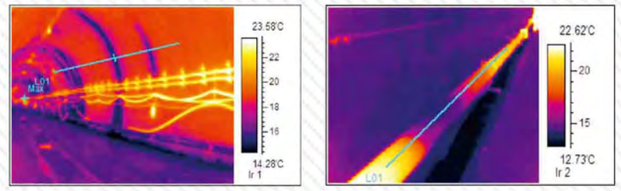
Locate overload cables

By comparing the surrounding wires the YRH600 can find overloading wires. Timely measuring will help find fused wires earlier.



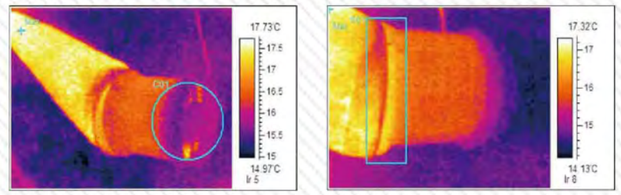
Detection of the wires and pipes

In coal mines, YRH600 can display the thermal images of the wires and tubes. From the thermal images we can find leakages in the mines and tubes (the temperature of the leakage will be lower than the normal temperature).



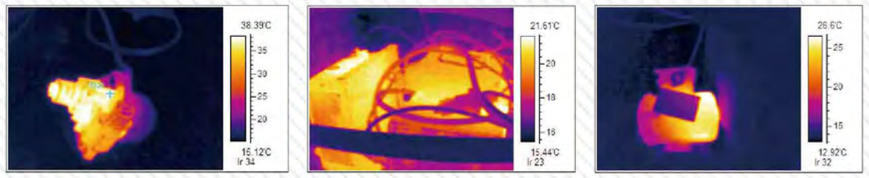
Find cracks or gaps

YRH600 can detect the subtle temperature changes of the ventilation tube to find the crack or the hole.



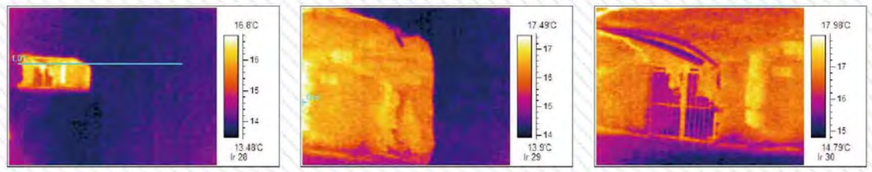


Identify potential points of breakdown



YRH600 detect the high temperature area on the wall of coal mines.

Detection of high temperature area



Working electrical devices cause heating. By comparing the thermal images taken by YRH600, the potential malfunction of the electrical devices can be found earlier.



38° Wide Angle

Bluetooth

Ergonomic Design

Multi-Certification

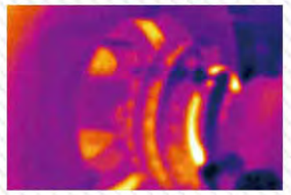
Multi-Temperature Ranges

USB

Cost-effective and advanced technology

variety of lens options









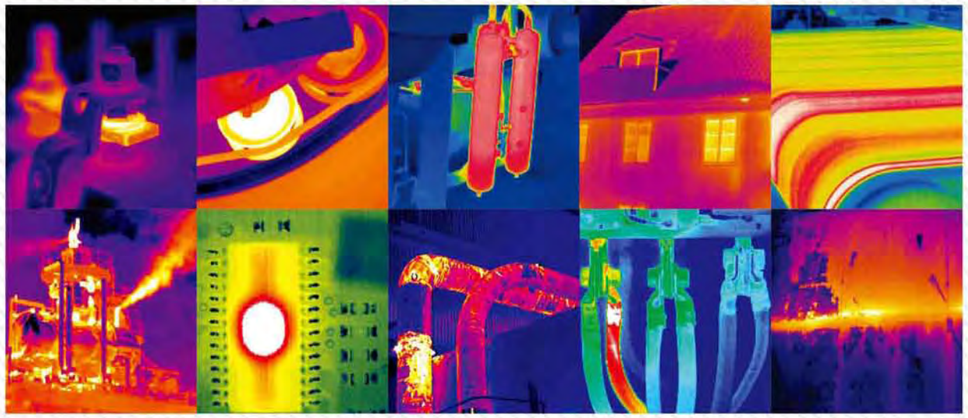


Type		YRH600
Image performance		
FOV/Min. focus distance		38° x 28.5°/0.1m
Spatial resolution		4.1 mrad
Thermal sensitivity		≤0.08°C@30°C
Detector type		UFPA (Uncooled focal plane array)
Detector resolution		160 x120
Spectral range		8-14um
Focus		Manual
Image presentation		
Image mode	IR	Yes
	CCD	Yes
	Duo-vision	Yes
Video output frequency		NTSC (60Hz) or PAL (50Hz) full dynamic output
LCD Display		2.5" TFT screen
Temperature measurement		
Measure range		up to 1500°C(optional)
Accuracy		±2°C or ±2% of readings
Image storage		
Type		2GB Removable miniSD card(up to16GB)
Physical characteristic		
Weight		less than 600g
Additional features		
Available optional lenses		6.4°, 9° , 28°
Illuminator		Yes
USB2.1 transfer real-time thermal data		Optional
Bluetooth		Optional



UPC

Uncooled Longwave Thermal Imager Core



SATIR Universal Purpose Core (UPC) is an uncooled longwave thermal imager core which is highly modular design for thermal product OEMs or integration with their existing products/systems. With the multiple optional solutions, image processing and the standard video output, UPC can be easily integrated in the existing surveillance & security cameras or CCTV systems, robots and vehicles.

Available in Multiple Resolutions

The UPC core is available in four different resolutions 80x80, 160x120& 384x288, to meet any imaging application requirements.

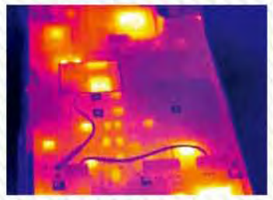




Industry process controlling

In order to satisfy the desired efficiency, quality and output for production, we must reduce variables in industry process under a desired value. Meanwhile control the parameters completely, and make sure that the process of production is under the most optimized operation conditions. As the most important variable in industry process controlling, how to observe the temperature changes of target directly is a big problem during whole industry process controlling. However, UPC, as a new generation of core, solves the tough problem ideally and turns a new leaf in the history of industry process controlling.





Various optical lenses

Based on different requirements, customers need to select different lenses. Satir UPC provides various telephoto lenses and wide-angle lenses according to user's application requirements and practical conditions.



Structure and interface of industry standard

As a high integrated module applied in special environment, UPC has a strong housing structure with industry standard. And meanwhile it provides compatible interface which satisty the customer's requirements:

Power input: using 8–12V DC power system, solving problem of power supply in particular condition.

Low consumption: With a stable consumption less than 3W of whole core, guarantee durative endurance of power.

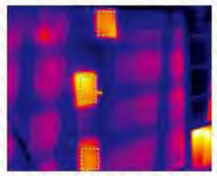
Compound video output: Providing international standard CCIR compound video with high–resolution and high–quality, to satisfy user's requirements.

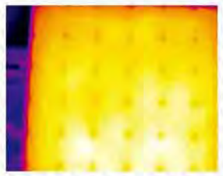
Serial port control: By setting parameters of image, temperature–measuring and pseudo–color mode freely, realize practical application needs among various fields.



Traditional thermal application

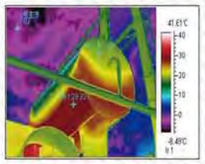
UPC can meet the application requirements of temperature measuring and surveillance & security field, therefore, it can also be competent in traditional fields. Such as power system, electronics, coal industry, police patrol, petrochemical industry, forest fire prevention, architecture, medical industry, etc.

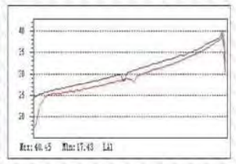




Accurate temperature measuring

UPC has a thermal sensitivity of 0.05℃@30℃, #F1.0, it can capture imperceptible temperature changes with high sensitivity and image clearly, and in the measurement range, the measurement accuracy is the industry level of ±2℃ or ±2% of reading. And transfer thermal information into temperature information and show in image visually by applying mature advanced temperature transformation algorithm.





CCTV thermal camera, portable camera

Due to its compact structure and small size, it can be integrated into existing surveillance system easily. Regardless of fixed camera or dome camera, UPC can built–in it perfectly, and realize 24h real – time monitoring in all weather.





Compact & Lightweight small size

Compared with satir UPC core, the existing thermal devices can be qualified as "huge & heavy weight" whether military products or civil products. Lightweight instead of weak, low–end instead of inferior, it is the advantages that make UPC stand out from the competition with traditional thermal products.



Type	UPC80	UPC160	UPC384P
Imaging performance			
FOV/Minimum Focus distance	51.6°x38.7°/0.3m	38.4°x28.6°/0.3m	16°x12°/0.3m
Thermal Sensitivity(NETD)	0.1℃@30℃, #F1.0	0.06℃@30℃, #F1.0	0.05℃@30℃, #F1.0
Detector type	Focal Plane Array (FPA), uncooled microbolometer		
Resolution	80 x80	160 x 120	384 x 288
Spectral range	8-14um		
Focus mechanism	Fixed lens		
I.F.O.V	9.5mrad	2.4mrad	0.89mrad
Measurement [3]			
Temperature Range	-20℃-+150℃ (-4°F ~+ 482°F), up to 600℃/1112°F (optional)		
Accuracy	±2°C Or ±2% Of Reading		
Measurement tools	Center spot, auto hot/cold spot, isotherm		
Temperature Alarms	Yes		
Set-up Controls	Language/ Palettes/Units		
Measurement Corrections	Ambient Temperature/ Emissivity Correction/ Distance/ Humidity		
Environmental			
Operating	-15℃ ~ +50℃ (5°F ~ 122°F)		
Storage	-40℃ ~ +70℃ (-40°F ~ +158°F)		
Humidity	95% relative humidity, non-condensing		
Encapsulation	IP40		
Physical Characteristics [Camera body only]			
Weight	145g		
Dimensions	43.5mmx43.5mmx52.5mm		
Interfaces			
Power input	DC 8-12V output to camera		
Video output	Output the composite video in NTSC@60Hz/PAL@50Hz format		
RS232	Controlling and setting		
Optional Parts			
Optional Lens [2]	3.5mm: 51.6°x38.7°/0.3m Customized	6mm:38.2°x28.6° 10.3mm:22.4°x16.8° 35mm:6.4°x4.8° customized	6.8mm:47°x35° 10mm: 30°x22° 19mm: 16°x12° 35mm: 9°x7°Customized
DRI Range [Human size: 1.7m x 0.6m][1]			
Detection	275m		
Recognition	70m		
Identification	46m		

Note: [1] Data base on the 384x288 camera with 19mm standard lens.
[2] Different lenses will cause different size and weight of whole camera.
[3] Only UPC measurement version cameras have the temperature measurement function.

U Series

UAV(unmanned aerial vehicle)Infrared thermal imager

Lightweight design
Designed for UAV





U Series UAV infrared thermal imager designed for specific application requirements, with a safe, efficient, accurate features.Electric power industry uses U series UAV infrared thermal imager to check the power equipment without power cut and early finding defects,so it can prevent the happening of the fault.Forest fire industry can use U series UAV infrared thermal imager to prevent and eliminate hidden fire or high temperature predictive source such as the root causes of the fire, eliminate all hidden dangers.In addition, it can be widely used in night vision tracking, search and rescue, energy conservation and emissions reduction, and other fields.

Lightweight design, to meet the requirements of UAV

SATIR designed the U Series with a lightweight design concept in mind. Using a series of cutting–edge technology, such as "carbon fiber shell", "magnesium alloy component" technology dramatically reduces the overall weight of the U series products.In addition, U640–L weighs only 190g (including lens) and it can equip with various types of UAVs.



Saving full time and full dynamic infrared video stream with temperature data

U Series UAV infrared thermal imager built in high–speed storage medium can record and store full–time, full–dynamic temperature data of the target object with a standard video stream.Users can play back the video late and directly analyzed and processed the video to generate the corresponding infrared analysis reports.



Equipped with a complete image analysis tool

Equipped with a complete image analysis tool, users can preset the corresponding analysis tools according to different detection task.For example,we can add the "Spot" and "Line" analysis tool to read the temperature of the equipment and judge working status of the equipment according to temperature difference.



Perfect optional lens,suitable for different observation distance

Users can equip with 8 °x 6 °, 12 °x 9 °, 16 °x 12 °, 24 °x 18 °, 48 °x 36 ° lens according to the situation, such as SATIR U series UAV infrared thermal imager provides up to six kinds of lens for users to choose.





Multiple interface,meet the needs of data access for different UAV

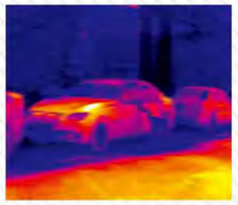
U series UAV infrared thermal imager using common interface, can provide such as RS232 , TTL UART or PWM interface. Users can choose corresponding interface according to the type of UAV, which meets the demand of different types of UAV and achieves the real "lossless" installation.

Multiple Resolutions available,size is optional

SATIR U series provides multiple different detector resolutions that can suit the users needs and requirements. For example, users can select a resolution of 320x240，640x480 detector. In addition, users also can select different types of shell according to different environment in order to satisfy the protection requirements of different industries and different customers for the UAV infrared thermal imager.

Carrying servo stabilization yuntai system to prevent vibration and shaking

It is inevitable for UAV to occur vibration and shaking which will cause the loss of image quality and cannot reach the expected effect.Therefore, in the process of UAV flight maintain the stability of filming equipment is critical. SATIR U series infrared thermal imager optional servo head augmentation system (two–axis, three–axis optional), to ensure stable thermal imager imaging throughout the filming process and guarantee the best effect of temperature observations.



vibrative and shaking image



with servo stabilization PTZ system image

Optional GPS positioning system,Real–time control of UAV

Optional global positioning system (GPS), SATIR infrared new development of GPS positioning system has a start time is short, high positioning accuracy. To begin in about 10 seconds time in place, provide precise location information, convenient for the user state of real–time control of UAV, users can be selected according to requirements.



Type	U320	U640	U640L
Camera			
Thermal sensitivity	0.05℃(@30℃)		
Image frequency	50Hz		
Focus	Manual		
Detetor type	UFPA, 320×240 pixels	UFPA, 640×480 pixels	UFPA, 640×480 pixels
Spectral range	7～14um		
Field of view	32°×24°	24°×18°	25°×18.7°
Dual FOV (Optional)	/	10°/40°,Field switching time: ≤500ms,F-number:1.0	/
Spatial resolution (Standard lens)	1.45mrad	0.68mrad	0.68mrad
Digital zoom	/	1X , 4X	1X , 4X
Image performance			
Video output	NTSC/PAL Composite video		
Palette	White hot/Black hot/Red		
Temperature measurement			
Measurement range	- 20℃～+150℃		
Accury	±2℃ or ±2％ of reading		
Physical parameter			
Size	99.4×65×66.7 mm	99.4×65×66.7 mm	99×54×65 mm
Weight	≤280g	≤290g	≤160g
Environment specification			
Operating temperature range	- 20℃～50℃		
Storage temperature range	- 40℃～70℃		
Humidity	10％～95％,non-condensing		
Encapsulation	IP54		
Interface			
Physical interface	HR10A-10R-12PB		
Control interface	RS232/TTL-UART/PWM (One of the three)		
Storage	SD card , 16 bit full dynamic infrared temperature data		
Measruement range (Standard lens)			
Measruement range (Standard lens)	- 20℃～+350℃		
Lens (Optional)			
Lens (Optional)	8°×6° ; 12°×9° ; 16°×12° ; 24°×18° ; 48°×36°	8°×6° ; 12°×9° ; 48°×36° ; 10°/40° Dual FOV	/
Other hardware (Optional)			
Other hardware (Optional)	Integrated line (Integrated power, serial port, video, cable length can be determined) Two axis servo stabilized platform system (Optional) Three axis servo stabilized platform system (Optional) GPS positioning system (Optional)		



NEW

JKX-1024

Performance High 1024 × 768 Uncooled Longwave Thermal Imager Core

Excellent Image Quality,High Resolution and High Sensitivity

Specially designed for observation, high sensitive 1024 x768 detector with Accurate temperature measurement, weight≤300g.

High resolution and high Sensitivity, SDI, HDMI and YUV interface for 1080P HD video output available,GPS positioning optional.



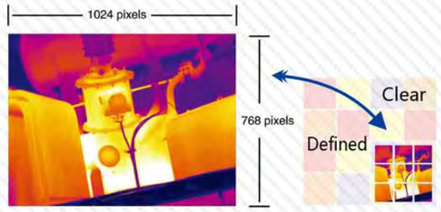
Lightweight design, to meet the requirements of Industry

SATIR JKX–1024 with a lightweight design concept in mind. Using a series of cutting–edge technology, such as "carbon fiber shell", "magnesium alloy component" technology dramatically reduces the overall weight of the products.JKX–1024 weighs only 300g (including lens) .



High resolution 1024 × 768 UFPA detector

At the heart of the JKX–1024 is a high resolution 1024x768 UFPA detector. With an array of 786,432 active detectors, every on–screen pixel offers an accurate and reliable temperature measurement reading. A very high thermal sensitivity of 50mK (0.05℃ @ 30℃, 50/60Hz) allows the JKX–1024 to display the sharpest images with superior image quality.



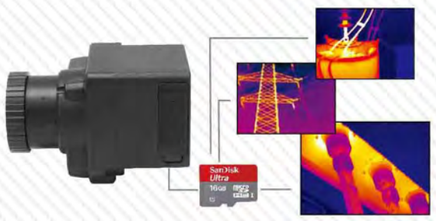
Saving full time and full dynamic infrared video stream with temperature data

JKX–1024 infrared thermal imager's high–speed storage medium can record and store full–time, full–dynamic temperature data of the target object with a standard video stream.Users can play back the video late and directly analyzed and processed the video to generate the corresponding infrared analysis reports.



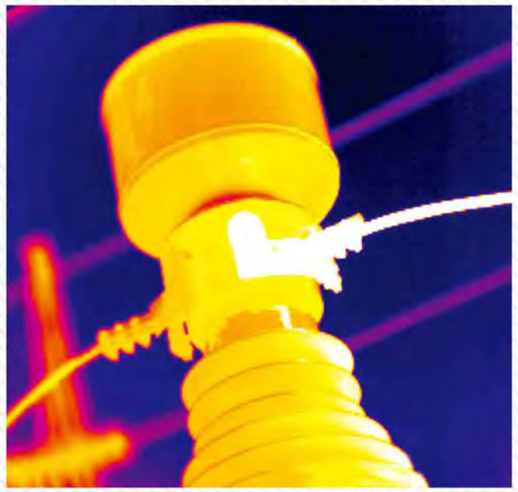
record a non–radiometric thermal video onto the 16GB SD card

JKX–1024 can record a non–radiometric thermal video onto the 16GB SD card . The thermal video is stored in AVI video, which can be played back by any generic media player.



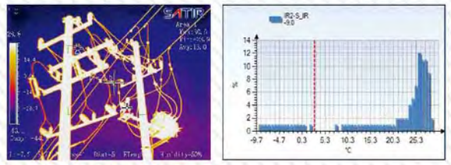
Traditional thermal application

JKX–1024 can meet the application requirements of temperature measuring and surveillance & security field, therefore, it can also be competent in traditional fields. Such as power system, electronics, coal industry, police patrol, petrochemical industry, forest fire prevention, architecture, medical industry, etc.



Accurate temperature measuring

JKX–1024 has a thermal sensitivity of 0.05℃@30℃, it can capture imperceptible temperature changes with high sensitivity and image clearly, and in the measurement range, the measurement accuracy is the industry level of ±2℃ or ±2% of reading. And transfer thermal information into temperature information and show in image visually by applying mature advanced temperature transformation algorithm.



portable camera it can be integrated into existing surveillance system

JKX–1024 due to its compact structure and small size, it can be integrated into existing surveillance system easily. Regardless of fixed camera or dome camera, JKX–1024 can built–in it perfectly, and realize 24h real –time monitoring in all weather.





Structure and interface of industry standard

As a high integrated module applied in special environment, JKX1024 has a strong housing structure with industry standard. And meanwhile it provides compatible interface which satisty the customer’s requirements.

Type	JKX-1024
Imaging performance	
Thermal sensitivity	0.05℃ (at 30℃)
Image frequency	50 Hz/60 Hz
Focus	Fixed Focus (10 m away free focus)
Digital Zoom	2x , 4x , 8x ,16x
Detector type	Focal Plane Array (FPA), uncooled microbolometer1024×768pixels
Spectral range	7~14 μm
Field of view	30mm,28°×19°
Spatial resolution(IFOV)	0.47mrad
Temperature range	-20℃~ + 150℃
Accuracy	±2℃ or ±2% of reading
Max temperature automatic tracking	Automatically capturing max temperature and showing specific data in display in-real time
GPS Position	GPS information and IR image data can be played in the software of base-station. IR image data could be retrieved by corresponding GPS information
Image presentation	
Composite video	NTSC / PALComposite video
Palette	white hot / black hot / iron /rainbow
Interface / format specification	
Physical interface	HR10A-10R-12PB
Control Interface	Provid with TTL-UART , (Optional: RS232/PWM)
Storage format	Standard : IRV video, IMA image Optional : AVI video, JPEG image
Physical characteristics	
Weight	≤300g
Size	108x70x71mm
Environmental specification	
Operating temperature range	-20°C ~50°C
Storage temperature range	-40°C ~ 70°C
Humidity	Operating and storage 10% to 95%, non-condensing
High definition version	
JKX-1024-HD	Optional interface of HDMI, SDI, YUV
Standard package	
Parts list	JKX-1024module ×1 Standard lens(28°×19°)×1 Fast operation manual×1 Card Reader×1 16G SD card×1 Certificate ×1 Warranty ×1 Suicase × 1 Card Reader×1



UMTI

UMTI Security Thermal Imager

Light weight monocular surveillance camera



384x288 UFPA detector

Light weight, easy to carry

Easy to operate

UMTI is a light weight uncooled monocular thermal imager. The camera is primarily designed for medium–range surveillance.

















Type	UMTI
Image performance	
Detector type	UFPA (Uncooled focal plane array)
Detector resolution	384 × 288
Spectral range	8–14 μ m
Thermal sensitivity	≤0.05℃ @ 30℃
FOV	28° ×21°
Focus range	0.5m~∞
Electronic zoom	2X/4X
Features	
Start–up time	< 20s
System control	Control keys
Brightness / Gain Control	Auto/Manual adjust
Image output mode	Viewfinder/video output
Viewfinder feature	High resolution grayscale TFT (monocular display)
Video output	NTSC (60Hz) /PAL (50Hz)
Power supply	Li–ion rechargeable battery
Rated voltage	4.8V
Consumption	< 4W
Battery operating time	> 3.5Hours
Size(L*W*H)	188mm × 94mm × 80mm
Optional Lenses	12° × 8° / 8° × 6°



UTR-50

UTR–50 Security Thermal Imager

Light weight Bi–ocular surveillance camera



384 x 288 or 640 x 480 detector

SD card storage of the images and video

Easy to operate

Remote control

OLED Viewfinder

UTR–50 is a light weight uncooled bi–ocular thermal imager. The 50mm auto focus lens is designed for observation and video recording







Separate binocular viewfinder



Autofocus 50 mm lens



100mm lens can be installed





Type	UTR50	UTR75
Image performance		
Detector type	UFPA (Uncooled focal plane array)	
Detector resolution	384 × 288	640 × 480
Spectral range	8–14 μ m	
Thermal sensitivity	≤0.05℃ @ 30℃	
FOV	12° ×9° (optional:24° ×18° or 9° ×6.7°)	
Focus range	1m~∞	
Electronic zoom	2X	
Features		
System control	Control keys	
Brightness / Gain Control	Auto/Manual adjust	
Image output mode	Viewfinder/Video output	
Viewfinder feature	High resolution grayscale TFT (Binocular display)	
Video output	Standard PAL(50Hz)	
Storage capacity	Photo: Approximately 60,000; Video : about five hours	
Power supply	Li–ion rechargeable battery	
Rated voltage	7.2V	



MFU-75

Police/Security Camera

HD Night Vision Binocular



- Built–in CCD camera
- LRF for accurate detection
- Built–in digital magnetic compass
- Video recording
- Detachable eyepiece for security
- Long battery life
- MIL–STD–810 standard
- Built–in GPS

MFU–75 binocular is designed for searching, locating and detecting potential risks during day and night.This compact IR camera provides a high performance cost–effective uncooled detector and is equipped with build–in visual CCD, DMC, GPS and LRF.













Type	MFU–75
Infrared	
Detector	640 × 480, UFPA
Spectrum	8–14 μ m
FOV	12° × 9°
CCD	1/3" ,10X optical zoom,ultra–low lux
LRF	
Max.Range	≤5 km
Accuracy	± 5 m
Storage	Up to 20,000 images or 1 hour video (with 2G storage space)
Encapsulation	MIL–STD–810

Product Configuration

Model	Detector	Lens
MFU–75P	640x480	75mm,motorized
MFU–50P	640x480	50mm,motorized
MFU–75S	384x288	75mm,motorized
MFU–50S	384x288	50mm,motorized

Surveillance Imagers

Reliable surveillance data transmission,
24/7 Precise Control





JK Surveillance Series (Non-temperature measurement)

Reliable surveillance data transmission, 24/7 Precise Control

JK362-PoE
JK362

Products Feature

- Mainstream 384x288, UFPA (FPA, uncooled microbolometer) Infrared detector
- Diverse Optional Lens Configuration
- IP66 Encapsulation Grade
- Digital enhancement technology, Automatic tracking alarm function
- Fully compatible with existing network surveillance system (JK362-PoE)
- Powerful Operation software system

Lens Performance (9mm)

Technical Specifications

Camera	JK362	JK362-PoE
Infrared		
Detector type	FPA,uncooled microbolometer	
Resolution	384 × 288	
Thermal sensitivity	0.05℃@30℃	
Spectral range	8~14um	
Focal length/FOV	6.8mm: 46.6° x34.9° 10mm: 30° x22° 19mm: 16° x12° (standard) 35mm: 9° x7° Customized	
Focusing	Focus free athermal lens	
Frame rate	50Hz / 60Hz	
Image		
Format	PAL / NTSC Composite Video	PAL / NTSC Composite Video, H.264 Network digital Vid
Processing	Automatic Gain Control(AGC)	Automatic Gain Control(AGC) Digital Detail Enhancement(DDE)
Interfaces		
AV out	Yes	Optional
RJ45 Ethernet	No	Yes
Alarm Input	No	Yes
Alarm Output	No	Yes

Technical Specifications

Camera	JK362	JK362-PoE
WiFi	No	Optional
USB Storage	No	Optional
Power		
Requirements	12VDC	12V DC or PoE
Consumption (heating/normal)	≤32W, ≤3.5W (With Temperature controlling)	≤35W, ≤8W (With Temperature controlling)
Start-up time	≤5 s	≤60 s
Environment Specification		
Operating temperature range	-35℃ ~ +65℃	
Storage temperature range	-40℃ ~ +70℃	
Humidity	≤95% non-condensing	
Encapsulation	IP 66	
Shock resistance	25G	
Vibration resistance	2G	
Automatic heater	Deicing from the windows	
Physical characteristic		
Weight	3 kg	
Size	362mm × 140mm × 145mm	
System Features		
System state self-check	Yes	
DDE	Yes	
Network connection	No	Optional
Two-way voice	No	Optional
Video motion detection (VMD)	No	Optional
Sensitive area shelter	No	Optional
DHCP	No	Optional
OSD	No	Optional
PTZ control	No	Optional
PTZ preset positions inspection	No	Optional
PTZ auto-tracking	No	Optional
Boundary alarm	No	Optional
Solar power supply	No	Optional
video recording	No	Yes
image recording	No	Yes
Text annotation	No	Yes
Computer Recommended Configuration		
Monitoring computer	Compatible with Windows XP, Vista, 7, 8, 8.1 & 10 Recommended System Hardware: 2GHz Dual-Core CPU or better, 2GB RAM or more, 10/100M or better NIC, 500GB Hard Drive or larger, 1280x800 resolution monitor, an Internet connection.	

JK Surveillance Series （Non-temperature measurement）

Reliable surveillance data transmission, 24/7 Precise Control

JKX640



Products Feature





- Mainstream 640x512 UFPA (FPA, uncooled microbolometer)
- Easy to integrated with other devices by the highly modular design
- Highly sensitive vanadium oxide detector
- Continuous zoom lens
- IP66 encapsulation for the lens

Technical Specifications

Type	JKX640
Imaging performance	
Lens	50~150mm
FOV/Minimum Focus distance	12.4° /4.2° /9.3° /3.1°

Technical Specifications

Thermal Sensitivity(NETD)	≤0.05℃@30℃, # F1.0/F1.2
Detector type	Uncooled Microbolometer Focal Plane Array Detector
Resolution	640 x 512
Pixel	17um
Frame rate	25Hz
Spectral range	8-12um
Focus mechanism	Continuous zoom lens
Function	
Set-up Controls	Between 50mm and 150mm, Two fixed
	field-of-view fast zoom are available
Pseudo color	Black/ White/ Iron oxide red / Anti-iron red
Environmental	
Operating	-20° C to +50° C (5° F to+ 122° F)
Physical Characteristics	
Weight	3.1kg
Dimensions	Φ148x250mm
Interfaces	
Power input	DC 8-28 V output to camera
Steady power consumption	less than 5 W
Video output	NTSC@60Hz/PAL@50Hz
DDE	YES
RS485	Controlling and setting
Lens specification	
Focal length	30~150mm
F#	1.0~1.2
Spectral response	8-12um
Average passing rate	≥78%
Pixel size	Φ14
First layer coating film of lens	DLC(diamond-like carbon)
Focusing range	8m~∞
Focusing mode	Manual/Electric
Interface	Flange
Size of back face	4.3
Operating temperature	-30℃~+70℃
Encapsulation	IP66(front lens)

CK Surveillance Series （Temperature measurement）

Reliable surveillance data transmission, 24/7 Precise Control



CK350-VN

Products Feature

- Mainstream 384x288, UFPA (FPA, uncooled microbolometer) Infrared detector
- Both High Accuracy and Wide Range on temperature measurement
- Digital camera with matched FOV and coaxial
- Professional outdoor shield protection and PTZ Support
- Fully compatible with existing network surveillance system
- Powerful analysis function and Convenient operation Process
- Various over-temperature alarm mode to reponse different application purpose

Technical Specifications

Camera	CK350-VN
Infrared	
Detector type	FPA, uncooled microbolometer
Resolution	384 × 288
Thermal sensitivity	0.05° @30° C
Spectral range	8 ~ 14um
Focal length/FOV	11° x8.2° /50mm
Special resolution	0.5 mrad
Palette	Multiple modes
Visual image	
CCD	1/4", f=3.9 - 89.7mm(23x) 600line
Focus	Automatically
Optical Zoom	23 ×
Interfaces	
USB storage	Optional
RJ45 network	Yes
Pan&Tilt control	Yes
Power	
Requirements	220V AC
Consumption (heating/normal)	≤90W、≤25W
Start-up time	≤20s
Environment Specification	
Operating temperature range	-35℃ ~ +50℃
Storage temperature range	-40℃ ~ +70℃
Humidity	≤95% non-condensing
Encapsulation	IP 66
Shock resistance	25G
Vibration resistance	2G
Software	
Standard software	Irinspection
Measuring range	-20 ~ +250 ℃, up to 2000° C
Measuring accuracy	± 2℃ or 2% of reading

Technical Specifications

Spot analysis, Hot/cold spot capture, Line analysis, Isotherm area, Area analysis, Polygon area, Measuring report, Trend analysis, Histogram, Palette settings	Yes
Measuring parameter settings	Emissivity , ambient temperature, distance , relative humidity
Image adjustment	Automatically or manually
Over-temperature alarm	Yes
System Features	
System state self-check	Yes
Temperature alarm signal output	Yes
Temperature alarm signal record	Yes
Measuring report automatically generate	Yes
Network connection	Yes
Wifi	Optional
Two-way voice	Optional
Video motion detection (VMD)	Yes
Sensitive area shelter	Yes
DHCP	Yes
OSD	Yes
Pan&Tilt control	Yes
Pan&Tilt preset positions inspection	Yes
Solar power supply	Optional
Storage function in PC	
Infrared images real-time recording / playback	Yes
Infrared images offline analysis	Yes
video recording	Yes
image recording	Yes
Physical Characteristics	
Camera Weight	10kg
Camera Size (L × W × H)	600mmX366mmX185mm
Optional accessories	
Bracket	Optional
Pan&Tilt	"215mm x 190mm x 290 mm mmdead weight 14.5kg / load-bearing 30kgpreset position accuracy ±0.1° "
Junction box	Distribution box
Optional lens	7.2° ×5.4° / 75mm
Computer Recommended Configuration	
Monitoring computer	Compatible with Windows XP, Vista, 7, 8, 8.1 & 10 Recommended System Hardware: 2GHz Dual-Core CPU or better, 2GB RAM or more, 10/100M or better NIC, 500GB Hard Drive or larger, 1280x800 resolution monitor, an Internet connection.

Surveillance Series

Reliable surveillance data transmission, 24/7 Precise Control

UPC-T



Products Feature





Technical Specifications

Camera	UPC-T(80)	UPC-T(160)
Imaging performance		
FOV/Minimum Focus distance	51.6°x38.7°/0.3m	38.2°x28.6°/0.3m
Thermal Sensitivity(NETD)	0.1℃@30℃, #F1.0	0.08℃@30℃, #F1.0
Detector type	Focal Plane Array (FPA), uncooled microbolometer	
Resolution	80 x80	160 x 120
Spectral range	8-14um	
Focus mechanism	Fixed lens	
I.F.O.V	11.26mrad	4.17 mrad
Measurement		
Temperature Range	-20℃~+250℃ (-4°F ~+ 482°F), up to 600℃/1112°F (optional) [3]	
Accuracy	± 2℃ Or ± 2% Of Reading[3]	
Measurement tools	Center spot, auto hot/cold spot, isotherm[3]	
Set-up Controls	Language/ Palettes/Units	
Environmental		
Operating	-15℃ to +50℃ (5° F to+ 122° F)	
Storage	-40℃ to +70℃ (-40°F to +158°F)	
Humidity	95% relative humidity, non-condensing	
Encapsulation	IP40	
Physical Characteristics [Camera body only]		
Weight	0.8Kg	
Dimensions	135.0mm*124.5mm	
Interfaces		
Power input	DC 8-12V output to camera	
Video output	Output the composite video in NTSC@60Hz/PAL@50Hz	
RJ45 Ethernet	Yes	
PoE Support	Yes	
Network Protocol	ONVIF	
RS232	Controlling and setting	
Optional Parts		
Optional Lens [2]	3mm: 51.6°x38.7° Customized	6mm: 38.2°x28.6° 9mm: 25.5°x19.1° 35mm: 6.4°x4.8° Customized

Products Feature

- Multiple optional detectors
- Industry standard interfaces for power in, video output and structure fixed
- Multiple optical solutions of lenses
- Standard CCIR PAL/NTSC video format
- Compact, lightweight and small

Technical Specifications

Camera	UPC-T(384)
Imaging performance	
FOV/Minimum Focus distance	16.3°x12.2°/0.3m
Thermal Sensitivity(NETD)	0.05℃@30℃, #F1.0
Detector type	Focal Plane Array (FPA), uncooled microbolometer
Resolution	384 x 288
Spectral range	8-14um
Focus mechanism	Fixed lens
I.F.O.V	0.89mrad
Measurement	
Temperature Range	-20℃~+250℃ (-4°F ~+ 482°F), up to 600℃/1112°F (optional) [3]
Accuracy	± 2℃ Or ± 2% Of Reading[3]
Measurement tools	Center spot, auto hot/cold spot, isotherm[3]
Set-up Controls	Language/ Palettes/Units
Environmental	
Operating	-15℃ to +50℃ (5° F to+ 122° F)
Storage	-40℃ to +70℃ (-40°F to +158°F)
Humidity	95% relative humidity, non-condensing
Encapsulation	IP40
Physical Characteristics [Camera body only]	
Weight	0.8Kg
Dimensions	135.0mm*124.5mm
Interfaces	
Power input	DC 8-12V output to camera
Video output	Output the composite video in NTSC@60Hz/PAL@50Hz
RJ45 Ethernet	Yes
PoE Support	Yes
Network Protocol	ONVIF
RS232	Controlling and setting
Optional Parts	
Optional Lens [2]	10mm: 30.0°x 22.5° 19mm: 16.3°x12.2° 35mm: 8.8°x 6.6° Customized

SOFTWARE

SatIrReport Software



SatIrWizard

SatIrWizad is an infrared imaging analysis application based on Android and IOS platform. It is designed for mobile phones, tablets and other mobile devices.
The main features of the SatIrwizard are as below:
- Faster on SATIR thermal image analysis and processing
- Rapid-generating of analysis reports
- Seamless converting between mobile terminal (tablet, mobile phone) and computer terminals

The software provides a number of temperature analysis tools to meet the requirements of temperature detection in different industries.



SatIrReport STD

The SatIrReport Std is designed for wide-ranging analysis and reporting for users in various fields, including applications; industrial, medical, buildings, scientific
The main features of the software are as below:
- Analysis of temperature within any SATIR thermal image
- Full post-processing functionality and image manipulation
- Duo-vision and audio playback
- File format conversion (AVI, JPG, and BMP)
- Template based report generation
- Export of temperature data to CSV file

The Std software provides numerous temperature analysis tools, meeting the requirement for temperature fault detection in various industries.



SatIrReport PRO

The SatIrReport Pro is designed for comprehensive analysis of dynamic temperatures and reporting for users in all fields of thermography.
The main features of the software are as below:
- Analysis of temperature within any SATIR thermal image
- Full post-processing functionality and image manipulation
- Thermal video playback and editing
- Enhanced features; 3D, image subtraction, image merge, trending
- Duo-vision and audio playback
- File format conversion (AVI, JPG, and BMP)
- Template based report generation
- Export of temperature data to CSV file
- Batch converter

The Pro software provides numerous temperature analysis tools, meeting the requirements for enhanced temperature analysis in various industries.

SATIR

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