

An EU-patented infrared camera designed for preventive and predictive maintenance

# SAT-G95



#### 3.5 inch detachable LCD with remote control

The flexible detachable LCD makes work easier, with the remote control panel, all the cameras operations can be controlled by your thumb.

#### USB real time thermal video recording

The thermal data can be transferred through USB2.0 interface to PC in real time by the software for analysis and reporting.

#### Various optional lenses

Optional lenses with different FOV are available for the SAT-G95, such as a 2x telescopic lens, wide angle lens. With such optional lenses, the SAT-G95 can provide the user with different thermal images at the same distance and position. The SAT-G95 can also adopt a close-up lens for inspection of PCB boards. All lenses are field replaceable.

#### Thermal video recording

G95 can record the real time non-radiometric thermal video to the SD card. The users can save the thermal video totaling 10 hours to the 2GB SD card. The thermal video is in MPEG format that can be played by general video player.

#### Duo vision

G95 can take high quality "Duo vision" images, with four display modes; users can choose the most suitable mode for their application.

#### Video out



RS232

Headset for voice annotation

DC in

#### Powerful Analysis Function

Integrated Spots (up to 10), Line profile, Area (up to 5), Isotherm and auto-tracking analysis, which can provide accurate non-contact temperature measurement from -20 to 2000 degree.



Type	G95-S	G95-P
<b>Image performance</b>		
FOV/Min.focus distance	24° x18°/0.5m	24° x18°/0.5m
Spatial resolution	1.3 mrad	1.3 mrad
Thermal sensitivity	≤0.05°C@30°C	≤0.05°C@30°C
Detector type	UFPA	UFPA
Resolution	384x288	384x288
Spectral range	8-14um	8-14um
Focus	Motorized, Auto-focus	Motorized, Auto-focus
<b>Image presentation</b>		
Image mode	IR/CCD/Duo-vision	IR/CCD/Duo-vision
LCD Display	3.5" TFT screen	3.5" TFT screen
Digital camera	640 x 480 full color	640 x 480 full color
Viewfinder	640 x 480 full color	640 x 480 full color
Video output	NTSC (60Hz) or PAL (50Hz) composite video	NTSC (60Hz) or PAL (50Hz) composite video
<b>Temperature measurement</b>		
Measurement range	-20°C ~ +600°C, up to +2000°C (optional)	-20°C ~ +600°C, up to +2000°C (optional)
Accuracy	±2°C, ±2% of readings	±2°C, ±2% of readings
Measurement mode	5 movable spots, auto hot/cold spot, 1 area box, isotherm	9 movable spots, auto hot/cold spot, profile, 5 area boxes, isotherm
Correction	Emissivity, ambient temperature, distance, relative humidity	Emissivity, ambient temperature, distance, relative humidity
Delta T	Yes	Yes
Alarm	Yes	Yes
<b>Image storage</b>		

Type	4GB removable SD card	4GB removable SD card
File format- Thermal	.SAT	.SAT
File format- Visual	.CCD	.CCD
Thermal video record	Available for G95-P, MPEG format	Available for G95-P, MPEG format
Annotation	Voice annotation via Bluetooth available for G95-P	Voice annotation via Bluetooth available for G95-P
<b>Battery system</b>		
Working voltage	DC 8V-11V	DC 8V-11V
Battery operating time	2.5 hours	2.5 hours
<b>Environment specification</b>		
Operating temperature range	-20°C to +50°C	-20°C to +50°C
Storage temperature range	-40°C to +70°C	-40°C to +70°C
Humidity	10% to 95%, non-condensing	10% to 95%, non-condensing
Encapsulation	IP54	IP54
Shock (operational)	25G	25G
Vibration (operational)	2G	2G
<b>Physical characteristic</b>		
Weight	1650g	1650g
Size	327mm X 143mm X 170mm	327mm X 143mm X 170mm
Tripod mounting	1/4" _20	1/4" _20
<b>Other</b>		
Illuminator	Yes	Yes
Laser pointer	Yes	Yes
data	No	Yes
Bluetooth	No	Yes
Network interface/GPS/Wifi	No	No
Available optional lenses	close-up, 7°, 12°, 48°	close-up, 7°, 12°, 48°