

High resolution **640X480** detector

# SAT-G96



- High resolution 640X480 detector
- Four channels
- 5 inch detachable LCD with remote control
- Ergonomic design
- Easy entry for high end HD resolution camera



#### High resolution 640X480 UFPA detector

The G96 uses the high resolution 640X480 UFPA detector. Total of 307,200 effective pixels, every pixel brings an accurate and reliable temperature measurement result.

#### 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.

#### Various optional lenses

Optional lenses with different FOV are available for the G96. The users can choose the lens according to the application and the environmental condition, such as distance and view angel.

#### Thermal video recording

G96 can record the real time non- radiometric thermal video to the SD card. The users can save thermal video totaling 2 hours to the 2GB SD card. The thermal video is in MP4 format that can be played by general video player.

#### Duo vision

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



Type	G96-S	G96-P
<b>Image performance</b>		
FOV/Min.focus distance	24° x18°/0.5m	24° x18°/0.5m
Spatial resolution	0.65mrad	0.65mrad
Thermal sensitivity	≤0.06°C@30°C	≤0.06°C@30°C
Detector type	UFPA	UFPA
Resolution	640X480	640X480
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	No	Yes
Annotation	No	Voice annotation via Bluetooth
<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
USB2.0 transfer realtime thermal data	No	Yes
Bluetooth	No	Yes
Network interface/GPS/Wifi	No	No
Available optional lenses	12°, 48°	12°, 48°