SATIR PX-100

1024x768 Thermal Camera

The SATIR PX-100 is a new generation handheld camera that has a new housing design for the industrial market. It features a 1024x768 IR detector which is the highest IR resolution on the market as it will deliver a clear, crisp image to the end-user on the touch screen. It also has a 5MP digital camera which is useful when comparing thermal and digital images in reports. It connectivity options are by Wi-Fi and the Micro HDMI. It has a wide temperature range of -20~+410°C, up to 2000°C upon request with account manager. It has 10 colour palettes which allows the user to select the palette that best suit their needs and application.

Key Features

- 1024x768 Detector Resolution
- HD 5MP Digital Camera
- IR/Digital/Duo-vision/PiP/MIF
- Manual/Motorized/Auto Focus
- Real Time Radiometric Video Recording
- GPS Function
- Optional Lenses Available: 6°/12°/48°

PX-100 Specifications

Thermal Camera	
Detector type	1024x768 UFPA
Thermal sensitivity	≤0.03℃@30℃
Spatial resolution	0.48mRad
FOV	27.6°x20.8°
Focal Length	25mm
Focus Distance	0.5m
Spectral range	7.5μm~14μm
Frame rate	25Hz
Focus	Manual/Motorized/Auto
Optional Lenses	48°,12°,6°
Image presentation	
LCD display	5.8 inch capacitive touch screen, 1280x768 Screen Resolution
Palettes	10 Colour Palettes
Digital camera	HD 5MP
Digital Zoom	1x,2x,4x,8x
Image storage & Connectivity	
Type	32GB removable SD card
Thermal Image Format	.jpg/.png (Full Temperature Data)
Thermal Video Format	Real—Time Radiometric recording (.irv)/.H264
Video output interface	Micro HDMI
Wifi	Yes
Laser Distance	Yes, Displayed on thermal image
GPS Function	Yes
Alarm Mode	Yes
Temperature measurement	
Measurement range	-20°C~+150°C (Low Temperature Range) 0°C~+410°C (Medium Temperature Range)
Optional Temperature Range	+300°C~+650°C/+300°C~+2000°C/Other Ranges (High Temperature Range)
Tracking Function	Yes
Analysis tool	10 movable spots, auto hot/cold, 10 area boxes, 5 line
Accuracy	±2°C or 2% of readings
Environment specification	
Operating temperature range	-20°C~+55°C
Encapsulation	IP54
Physical characteristic	
Weight	1.5 KG (Includes Battery)
Dimension	192x173x116 mm
Power system	
Battery Type	Removable Rechargeable DC12V Lithium Battery
Charging Mode	Two Socket or 12V Car Charger

Please be aware specifications can vary from time to time