

PX-600

640x480 Thermal Camera



The SATIR PX-600 is a new generation handheld camera that have a new housing design for the industrial market. It features a 640x480 IR detector which 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 has various connectivity options including, Wi-Fi, Bluetooth, HDMI, USB & 4G. It has a GPS function which is useful for reports to pinpoint the exact location images were taken. It has a wide temperature range of -20~650°C, up to 2000°C upon request with account manager. It has four imaging modes which allows the end-user to select which best suits their application, these are IR/Visual/Fusion/PiP/MIF.

Key Features

- 640x480 Detector Resolution
- HD 5MP Digital Camera
- IR/Visual/Fusion/PiP/MIF
- Manual, Electric, Automatic
- Bluetooth/WIFI/4G/USB/HDMI Transmission
- QR Code and Barcode Function
- GPS

PX-600 Specifications

Thermal Camera	
IR resolution and Detector type	640x480 pixels, Uncooled FPA, Amorphous silicon or VOX Material
Thermal sensitivity	$\leq 0.04^{\circ}\text{C}$ @ 30°C
Spatial resolution	0.36 mrad
FOV/Min. Focus distance	$24^{\circ} \times 18^{\circ}$ /0.35m
Tele Lens	$6^{\circ} \times 4.5^{\circ}$
Ergonomic Optical	160°
Spectral range	$7.5\mu\text{m} \sim 14\mu\text{m}$
Frame rate	30Hz
Focus	Manual, Electric, Automatic
Digital zoom	1x to 10x
Display Resolution	1024x768 pixels
Focal Length	18 mm
Digital video camera with autofocus	Yes
Image presentation	
LCD display	Built in Touch screen, 5.8" LCD
Image mode	IR/Visual/Fusion/PIP/MIF
Digital camera	HD 5MP
Image enhancement	Yes
Image storage	
Type	32GB removable SD card
Thermal Image Format	Jpg/.png (including full temperature data)
Thermal Video Format	Real-time radiometric recording(.irv)/.H264
Video Output Interface	Micro HDMI
Video Recording in camera	Yes
Temperature measurement	
Measurement range	-20°C to $+650^{\circ}\text{C}$
Palette	10 colour modes
Analysis tool	10 spotmeter (moveable spots) Auto Hot/Cold Spot 10 box area 1 isotherm, above, below, interval, alarm 5 Profile Line
Accuracy	$\pm 1^{\circ}\text{C}$ or $\pm 1\%$ of reading
Measurement Correction	Emissivity, ambient temperature, object distance, relative humidity, reflected temperature, optics transmission/offset
Tracking function	Highest temperature spot auto tracking
Alarm Mode	Automatic acousto-optic alarm for set temperature value/above/below
Environment specification	
Operating temperature range	20°C to $+55^{\circ}\text{C}$
Ambient temperature range	$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Protective performance	
Encapsulation	IP54 (IEC 60529)
Shock/Vibration	25G/2G

Physical characteristic	
Weight	1.6 KG
Dimension	210x119x174 mm
Power system	
Battery type	Lithium-ion battery
Battery operating time	> 3hours
Battery Spare	Yes, 2 unit extra battery
Battery Voltage	DC12V
Charging mode	Two-socket charger or 12V car charge
Ports	
Interface	Type-C USB, Bluetooth, WIFI, HDMI
Other features	
Lens identification	Yes
Super Resolution	Yes
Illuminator	Yes, automatic
Laser pointer	Yes
Laser distance	Yes, 40 meters and position is automatically displayed on the infrared image
WiFi	Yes, support preview SD card pictures through WiFi
QR code and Bar code	Yes
Video record	Yes
Power management	Auto shut off/Sleep mode
GPS	Yes
4G	Yes
Accessories	Transport Case, Handstrap, Protective Bag, Cables, Adaptor, Manual Book, Software SATIR Report Pro, Android App
Certification for Thermographer	Yes
Warranty	2 Years with 2 times free calibration (exclude shipping cost)

Please be aware specifications can vary from time to time