

PX-600

640x480 Thermal Camera



The SATIR PX-600 is a new generation handheld camera that has 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 $-20\sim 650^{\circ}\text{C}$, up to 1500/2000 $^{\circ}\text{C}$ upon request with account manager. It has four imaging modes which allow the end-user to select which best suits their application, these are IR/Digital/Duo- vision/PiP.



Key Features

- 640x480 Detector Resolution
- HD 5MP Digital Camera
- IR/Digital/Duo-vision/PiP
- Manual/Motorized/Auto Focus
- Bluetooth/WIFI/4G/USB/HDMI Transmission
- QR Code and Barcode Function
- GPS

PX-600 Specifications

Thermal Camera	
Detector type	640x480 UFPA
Thermal sensitivity	$\leq 0.04^{\circ}\text{C}@30^{\circ}\text{C}$
Spatial resolution	0.66mRad
FOV/Min. Focus distance	24° x18° /0.30m
Spectral range	7.5 μm ~14 μm
Frame rate	60Hz
Focus	Continuous LDM, One shot LDM, One-shot contrast, Manual
Super Resolution	Yes
Digital zoom	1x to 8x continuous
Image presentation	
LCD display	5.8 inch capacitive touch screen
Image mode	IR/CCD/Duo-vision/PIP
Digital camera	HD 5MP
Image Processing	Automatic/manual adjustment of contrast and brightness, auto-
Image enhancement	Yes
Image storage	
Type	32GB removable SD card
Temperature measurement	
Measurement range	-20~650°C, up to 1500/2000°C (Optional)
Pseudo color	10 types including Iron, Iron-inverted, Grey, Grey-inverted
Analysis tool	10 movable spots, auto hot/cold, 10 area boxes, 5 lines
Accuracy	$\pm 2^{\circ}\text{C}$ or $\pm 2\%$ of readings
Environment specification	
Operating temperature range	-20°C~+55°C
Ambient temperature range	-40°C~+70°C
Protective performance	
encapsulation	IP54
Shock/Vibration	25G/2G
Physical characteristic	
Weight	1.6 KG
Dimension	210x119x174 mm
Power system	
Battery operating time	> 3hours
Ports	
Output ports	USB, Bluetooth, WIFI, HDMI
Other features	
Viewfinder	Yes, 1024x768 pixels
Ergonomic Optical	160°
Illuminator	Yes
Laser pointer	Yes
Laser ranging	Yes, 40 meters



QR code and Bar code	Yes
Video record	Yes
GPS	Yes
4G	Yes

Please be aware specifications can vary from time to time

TELE LENS 6°



SATIR Europe TELE LENS 6°x4.5° FOR PX-600	
Field of view (FOV)	6°x4.5°
Focus distance	5.0 M (16,4 ft.)
Focal Length	70 mm (2.8 in.)
Lens Identification	Automatic
Spatial resolution (IFOV)	0.17 mrad/pixel
F-number	F1.0
Number of lenses	3
MTF @70% of FOV	0.8F≥0.20@30lp/mm
Distortion	< 1%
Weight	420g
Size (LxD)	φ88*80.3mm
Accessories	Lens mounting Instructions, Lens case, Front lens cap, Rear Lens cap, calibration (optional)