

## PX-300

### 384x288 Thermal Camera



The SATIR PX-300 is a new generation handheld camera that have a new housing design for the industrial market. It features a 384x288 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 1500/2000°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/Digital/Duo- vision/PiP.

### Key Features

- 384x288 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-300 Specifications

Thermal Camera	
Detector type	384x288 FPA, Uncooled microbolometer
Thermal sensitivity	$\leq 0.04^{\circ}\text{C}@30^{\circ}\text{C}$
Spatial resolution	0.66mRad
FOV/Min. Focus distance	24° x18° /0.30m
Ergonomic Optical	160°
Spectral range	7.5 $\mu\text{m}$ ~14 $\mu\text{m}$
Frame rate	30Hz
Focus	Continuous LDM, One-shot LDM, Manual
Digital zoom	x1, x2, x4, x8
Image presentation	
LCD display	Cover Glass Touch screen 5.8-inch, 1280 x 768 pixels
Image mode	IR/CCD/Duo-vision/PiP
Digital camera	HD 5MP
Image enhancement	Yes
Image storage	
Type	32GB removable SD card
Thermal Image Format	Standard JPEG, including measurement data, on memory card
Temperature measurement	
Measurement range	-20~650 $^{\circ}\text{C}$ , up to 1500/2000 $^{\circ}\text{C}$ (optional)
Pseudo colour	10 types including Iron, Iron-inverted, Grey, Greg-inverted
Analysis tool	10 movable spots, auto hot/cold/average, 10 area boxes, 5-line, isotherm, above, below, interval, alarm
Accuracy	$\pm 2^{\circ}\text{C}$ or 2% of readings
Measurement Correction	Emissivity, reflected temperature, relative humidity, object distance, offset, ambient
Environment specification	
Operating temperature range	-20 $^{\circ}\text{C}$ ~+55 $^{\circ}\text{C}$
Ambient temperature range	-40 $^{\circ}\text{C}$ ~+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
Ports	
Output ports	Type-C USB, Bluetooth, WIFI, HDMI
Other features	
Viewfinder	Yes, 1024x768 pixels
Lens identification	Yes
Super Resolution	Yes
Illuminator	Yes, Automatic
Laser pointer	Yes
Laser ranging	Yes, 40 meters
QR code and Bar code	Yes
Video record	Yes
Auto shutdown & Sleep mode	Yes
GPS	Yes
4G	Yes
Accessories	Hardcase, Hand strap, Protective Bag, Cables, Adaptor, Manual Book, Software SATIR Report Pro

Please be aware specifications can vary from time to time