

**TECHNOLOGY
PRODUCTS**



INFRARED THERMAL CAMERA PX300



TECHNOLOGY PRODUCTS

SATIR





- 5.8" Capacitive Touch Screen
- HD 5MP Visual Camera
- IR Resolution 384x288
- View Finder & Large LCD Display
- Digital Zoom upto 8x



The SATIR PX-300 is a new generation handheld camera that has 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**



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:** $24^{\circ}\times 18^{\circ}/0.30\text{m}$
- **Ergonomic Optical:** 160°
- **Spectral range:** $7.5\mu\text{m}\sim 14\mu\text{m}$
- **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°C, up to 1500/2000°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°C~+55°C
- **Ambient temperature range:** -40°C~+70°C

Protective performance

- **Encapsulation:** IP54 (IEC 60529)
- **Shock/Vibration:** 25G/2G

Physical characteristics

- **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



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