

## Thermal Camera

# KPS-TherCam384



### Description :

The TherCam384 offers both high-quality and innovative features. TherCam384 highlights lies in its rugged and ergonomic design. More than that, its brief operation interface and intelligent button navigation would make the first time user feel as an expert. The TherCam384 is equipped with optional lens set for different FOV requirements in different occasions. With built-in illuminator, you can easily take visible photos and compare them with IR photos, which help you find problems more easily.



# KPS-TherCam384

## Thermal Camera

### Characteristics :

- 4" high light touch screen.
- Built-in illuminator: take visible photos in the low lighting environment.
- Different image type: IR, visible, MIF, PIP
- Removable SD card: up to 32G storage capacity for photos and videos compression storage.
- Wi-Fi share: share IR images and findings immediately.
- Connected with mobile terminal to take IR photo, to achieve multi-screen control
- Rugged and compact design, metal internal structure.
- Standard Micro USB interface for data transmission and charging.
- Optional Wi-Fi connection with notebook or mobile.

### Applications :

- Electrical equipment inspection
- Medical diagnosis
- Mechanical maintenance
- Telecom equipment inspection
- Building diagnostic
- Chemical industry equipment inspection



# KPS-TherCam384

## Thermal Camera

| Specifications / Model         | TherCam384   |
|--------------------------------|--|
| <b>Imaging Performance</b>     |  |
| IR Resolution                  | 384x288  |
| Thermal Sensitivity / NETD     | 45mk   |
| Field of view (FOV)            | 28.4° x 21.5°  |
| Min focus distance             | 1m   |
| Focal Length                   | 19mm/F1.0  |
| Spatial resolution (IFOV)      | 1.29 mrad  |
| Frame rate                     | 25Hz   |
| Focus                          | Fixed  |
| Digital zoom                   | 1.1 ~4   |
| <b>Detector</b>                |  |
| Detector type                  | VOx/8~14μm   |
| Pixel size                     | 25μm   |
| <b>Image Presentation</b>      |  |
| Display                        | 4" highlight LED touch screen, 180x800, 24 bits  |
| Image model                    | IR image, Visible image, MIF, PIP  |
| <b>Temperature Measurement</b> |  |
| Temperature range              | -20°C - 350°C  |
| Accuracy                       | ±2°C or ±2% of reading for ambient temperature 15°C to 35°C and object temperature above 0°C |
| Measurement                    | Spotmeter: 5; Line:2; Area:5   |
| Auto tracking                  | 1. Max/Min temp spot of full screen; 2. Max/Min spot of analysis object                      |
| Alarm                          | Max temp alarm; Min temp alarm   |
| Color palettes                 | 8: White Hot, Fulgurite, Iron Red, Hot Iron, Medical, Arctic, Rainbow 1, Rainbow2            |

# KPS-TherCam384

## Thermal Camera

| Storage                        |  |
|--------------------------------|--|
| Image storage                  | In camera and TF card, JPG with tempo info   |
| Video format without temp info | H.264 with frame rate 25Hz (audio signal included)   |
| Video format with temp info    | .irgd with frame rate 25Hz (audio signal excluded)   |
| Video streaming                | Yes, transferred to PC or mobile via USB or WIFI   |
| Visual Camera                  |  |
| Visual camera                  | Resolution: 5MP/ 640×480, alternative; Fixed; FOV 25°×19°  |
| Interfaces                     |  |
| Data communication interface   | MICRO USB 2.0, MICRO HDMI, Power(12V), TF card(Standard 16G, up to 32G) ; WIFI/Laser                                 |
| Power System                   |  |
| Battery                        | Rechargeable Li-ion battery (7.4V), ≥4h; 4h in camera, 5h in dual-bay charger; Automatic shut-down and sleeping mode |
| Environmental Parameters       |  |
| Operating temperature          | -10°C ~ 50°C   |
| Storage temperature            | -40°C ~ 70°C   |
| Encapsulation                  | IP54   |
| Shock                          | 30g 11ms (IEC 60068-2-27)  |
| Vibration                      | 10HZ~150HZ~10HZ 0.15mm (IEC 60068-2-6)   |
| Certification                  | CE, FCC, ROHS  |
| Weight                         | 735g   |

# KPS-TherCam384

## Thermal Camera

### Product Code Information

|                   |                    |
|-------------------|--------------------|
| SKU               | KPSTHERCAM384CBINT |
| EAN code          | 8435394778549      |
| UPC code          | 810053672846       |
| Pcs/export carton | 1                  |