

# DIREKTRONIK

## Thermal Camera

Item 20114269



### Description :

The TherCam256 is an efficient, budget-friendly and completely equipped infrared camera. This robust and very handy high-tech system thanks to its intuitively learnable handling and user-friendly single hand operation, which makes it an ideal tool for troubleshooting electrical installations, mechanical components, buildings, process equipment, HVAC/R equipment and others.



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### Characteristics :

- Friendly UI, easy to use without training.
- Affordable as entry level diagnostic tool.
- Removable Large capacity Li-ion battery, 4 hour working time.
- 3.5" large screen with no image cropping, high brightness screen to show image with no detailed information lost even outdoor or in highlight.
- 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 :

- Electric inspection and diagnosis
- Building inspection and diagnosis
- Mechanical equipment maintenance
- Manufacturing process service
- Petrochemical industry maintenance

### Optional Accessories :

- Li-ion battery
- Camera carrying pouch
- Battery charger

### Standard Accessories :

- Li-ion battery
- Power supply adapter (5V/2V)
- Adapter plug
- Wrist strap
- USB cable
- Quick start guide
- Data download card
- SD card 16GB



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Specifications / Model	TherCam256
<b>IR Image And Optical</b>	
IR Resolution	256x192@12 $\mu$ m
Detector type	VOx/7.5~14 $\mu$ m
Frame Rate	25Hz/9Hz
Thermal Sensitivity / NETD	$\leq$ 50 mk
Focal Length	5mm/F1.2
Field of view (FOV)	35° x 26°
Spatial resolution (IFOV)	2.36 mrad
Min focus distance	1m
Focus	Focus-free
<b>Visible Camera</b>	
Resolution	640 x 480 Automatic
<b>Image Presentation</b>	
Display	3.5" highlight LCD screen, 320 x 240
Image model	IR image, Visible image, MIF, PIP
Digital zoom	x2, x4
Color palettes	6: White Hot, Iron Red, Hot Iron, Arctic, Rainbow 1, Rainbow2
Level span	Auto, Semi-automatic, Manual
<b>Temperature Measurement</b>	
Temperature range	-20°C - 150°C, 100°C - 650°C (Auto switching)
Accuracy	$\pm$ 2°C or $\pm$ 2%, whichever is greater (target temp $\geq$ 0°C, ambient temp is 15°C ~30°C)
Measurement Spot	Center spot
Auto tracking	Area Tmax/Tmin tracking
Alarm	Area Tmax/Tmin alarms

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Specifications / Model	TherCam256
<b>Image Storage</b>	
Storage media	Removable SD card (16GB)
Image format	JPG with temp info
Video streaming	transferred to via USB
<b>Connections And Communications</b>	
Interface	Micro USB (for real-time/ video transmission)
WIFI	Yes (for data transfer and camera control)
<b>Power System</b>	
Battery	Rechargeable Li-ion battery, ≥ 4h, Automatic shut-down and sleeping mode
<b>Environmental Parameters</b>	
Operating temperature	-15°C ~ 50°C
Storage temperature	-40°C ~ 70°C
Encapsulation	IP43, 1-meter drop
Weight	740g (battery included)

### Product Code Information

SKU	KPSTHERCAM256CBINT
EAN code	8435394778525
UPC code	810053672839
Pcs/export carton	1

**DIREKTRONIK**

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