

THERMAL CAMERAS

THERMAL CAMERAS :(designed and manufactured by KPS)

The TherCam series is comprised of fully equipped infrared temperature measurement equipment. It is high-tech and easy-to-use equipment, ideal for detecting the hot points on electrical circuits associated mainly with high electrical resistance due mainly to a poor contact surface or to an overloaded circuit. But not only it is suitable for electrical maintenance but for many other applications such as mechanical components, buildings, process equipment, HVAC and others. Its simple operating interface and smart button navigation will make the first-time user feel like an expert.

Experts in Measurement Instrumentation





IR RESOLUTION 120X90
Thermal Sensitivity / NETD <60 mk
IMAGE FORMAT IR
TEMPERATURE RANGE -10°C -150°C; 100°C- 400°C; Autorange
BATTERY OPERATING TIME >8 hours



TherCam 120 Thermographic camera

SKU	UPC	EAN
KPSTHERCAM120CBINT	810053672815	8435394778488

- Boot-up in 1 second: Boot up and display fully radiometric image instantly; Full screen max & min temperature alarm.
- 2.4 inch Large Display; 240x320 pixel Color LCD.
- Good-handle Buttons; Ergonomic design; Easy to operate even wear the gloves.
- 2-hour Quick Charge USB Type-C Interface High power quick charge
- 8-hour Battery Life; Low power consumption, Large capacity battery
- IR/Visible/Laser Indicator Pinpoint targets precisely
- Rugged Design: 2-meter Drop Test, IP54 encapsulation.

Detector type	VOx/7.5~14μm
IR Resolution	120X90
Thermal Sensitivity / NETD	60 mk
Field of view(FOV)	50°× 38°
Spatial Resolution(IFOV)	7.6 mrad
Frame Rate	25Hz/9Hz
Digital Zoom	No
Focus	N/A
Visible Camera Resolution	No
Flashlight	No
Display	TFT display
Screen size	2,4"
Image Model	IR image
Color Palettes	6
Temperature Range	-20°C~150°C; 100°C~400°C; Autorange
Accuracy	2%
Measurement Spot	center, max, min
Measurement Area	3 (incl. max & min temp)
Alarm	Max & Min
Auto Hot & Cold Spot Tracking	Yes
Storage Media	Yes
Voice record	No
Video record	No
Memory Card	TF Standard (16Gb)
USB	Yes
Laser	Yes
Tripod interface	Yes
WIFI	No
Mobile APP	No
PC IR Analysis Software	Yes
Battery Tpye	Rechargeable Li-ion
Battery Operating Time	>8 hours
Charging Time	≤2.5 hours
Operating Temperature	-10°C~50°C
Protection class	IP54
Drop test	2-meter drop test
Certification	CE/ROHS/FCC



IR RESOLUTION 256X192
Thermal Sensitivity / NETD <50 mk
IMAGE FORMAT IR/Visible/PIP
TEMPERATURE RANGE -20°C -150°C; 100°C- 650°C Auto switching
WIFI YES



TherCam256 Thermographic camera

SKU	UPC	EAN
KPSTHERCAM256CBINT	810053672839	8435394778525

- 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.

Detector type	VOx/7.5~14μm
IR Resolution	256X192
Thermal Sensitivity / NETD	<50 mk
Field of view(FOV)	35°× 26°
Spatial Resolution(IFOV)	2,36 mrad
Frame Rate	25Hz/9Hz
Digital Zoom	x2,x4
Focus	N/A
Visible Camera Resolution	Yes (640× 480)
Flashlight	Yes
Display	TFT display
Screen size	3,5"
Image Model	IR/Visible/PiP images
Color Palettes	6
Temperature Range	-20°C~150°C; 100°C~650°C; Autorange
Accuracy	2%
Measurement Spot	center, max, min
Measurement Area	3 (incl. max & min temp)
Alarm	Max & Min
Auto Hot & Cold Spot Tracking	Yes
Storage Media	No
Voice record	Yes
Video record	Yes
Memory Card	TF Standard (16Gb)
USB	Yes
Laser	Yes
Tripod interface	Yes
WIFI	Yes
Mobile APP	Yes
PC IR Analysis Software	Yes
Battery Type	Rechargeable Li-ion
Battery Operating Time	>4 hours
Charging Time	4 hours
Operating Temperature	-15°C~50°C
Protection class	IP43
Drop test	1-meter drop test
Certification	CE/ROHS/FCC



IR RESOLUTION
384x288

Thermal Sensitivity /
NETD <50 mk

IMAGE FORMAT
45mK

TEMPERATURE RANGE
-20°C -150°C; 100°C-
650°C Auto switching

WIFI
YES

DISPLAY LED
touch screen



TherCam384 Thermographic camera

SKU	UPC	EAN
KPSTHERCAM384CBINT	810053672846	8435394778549

- 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.

Detector type	VOx/ 8~14μm
IR Resolution	384x288
Thermal Sensitivity / NETD	45mK
Field of view(FOV)	28.4°×21.5°
Spatial Resolution(IFOV)	1,29 mrad
Frame Rate	25Hz
Digital Zoom	1.1~4
Focus	Manual
Visible Camera Resolution	Yes (5M Pixels)
Flashlight	Yes
Display	highlight LED touch screen
Screen size	4"
Image Model	IR/Visible/PIp/MIF images
Color Palettes	8
Temperature Range	-20°C~150°C; 100°C~650°C; 650°C~1500°C; Autorange
Accuracy	2%
Measurement Spot	5
Measurement Area	5
Alarm	Max & Min
Auto Hot & Cold Spot Tracking	1. Max/ Min temp spot of full screen 2. Max/ Min temp spot of analysis object
Memory Card	In camera and TF card, JPG with temp info
Voice record	Yes
Video record	Yes
Storage Media	TF Standard (16Gb)
USB	Yes
Laser	Yes
Tripod interface	Yes
WIFI	Yes
Mobile APP	Yes
PC IR Analysis Software	Yes
Battery Tpye	Rechargeable Li-ion
Battery Operating Time	>4 hours
Charging Time	4 hours
Operating Temperature	-10°C~50°C
Protection class	IP54
Drop test	Shock & vibration test
Certification	CE/ROHS/FCC



SKU	KPSTHERCAM120CBINT	KPSTHERCAM256CBINT	KPSTHERCAM384CBINT
IR sensor type	VOx/7.5~14μ m	VOx/7.5~14μ m	VOx/ 8~14μm
IR sensor resolution	120X90	256X192	384x288
NETD (Thermal Sensitivity)	60 mk	<50 mk	45mK
FOV	50°x 38°	35°x 26°	28.4°x21.5°
IFOV	7.6 mrad	2,36 mrad	1,29 mrad
Refresh rate	25Hz/9Hz	25Hz/9Hz	25Hz
Digital Zoom	No	x2,x4	1.1~4
Focus	N/A	N/A	Manual
Visible camera resolution	No	Yes(640x 480)	Yes (5MPixels)
Flash light	No	Yes	Yes
Screen type	TFT display	TFT display	Touch screen highlight LED
Screen size	2,4"	3,5"	4"
Image format	IR	IR/Visible/PIP	IR/Visible/PIP/MIF
Color palettes	6	6	8
Temperature range	-20°C-150°C; 100°C-400°C; Auto switching	-20°C-150°C; 100°C-650°C; Auto switching	-20°C-150°C; 100°C-650°C; 650°C-1500°C; Auto switching
Precision	2%	2%	2%
Temperature points	center, max, min	center, max, min	5
Temperature areas	3(incl. max & min temp)	3(incl. max & min temp)	5
Temperature alarms	Max & Min	Max & Min	Max & Min
Hot and cold spot tracking	Yes	Yes	1. points Max/ Min temp on display; 2. Max/Min points spot of object
Image storage	Yes	Yes	In camera and TF card
Voice recording	No	No	Yes
Video recording	No	Yes	Yes
Memory card	TF Standard (16Gb)	TF Standard (16Gb)	TF Standard (16Gb)
USB	Yes	Yes	Yes
Laser	Yes	Yes	Yes
Tripod interface	Yes	Yes	Yes
Wifi	No	Yes	Yes
APP	No	Yes	Yes
PC software	Yes	Yes	Yes
Battery Type	Li-ion rechargeable	Li-ion rechargeable	Li-ion rechargeable
Battery life (continuous mode)	>8 hours	>4 hours	>4 hours
Charging time	≤2.5 hours	4 hours	4 hours
Operating temperature	-10°C~50°C	-15°C~50°C	-10°C~50°C
IP grade	IP54	IP43	IP54
Drop test	2m drop test	1m drop test	Shock and vibration tests
Certifications	CE/ROHS/FCC	CE/ROHS/FCC	CE/ROHS/FCC