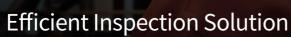
# Kaiyang Series Handheld Thermal Camera T300/600







### Comprehensive Leading Thermal Imaging Performance

Make Inspection Efficient, Clear, and Accurate

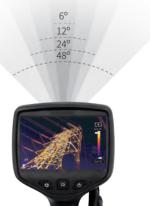
#### ■ 384×288/640×512 High Infrared Resolution, 50mK High Thermal Sensitivity

Kaiyang T Series offers two solutions, T300 and T600. T300 is cost-effective for daily and some fine inspections, while T600 with higher resolution can fully meet the most demanding professional requirements for fine inspection.

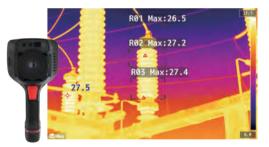


## ■ Various Lenses from Wide-angle to Long-focus is Optional, Suitable for Multiple Scenarios

Kaiyang T Series has replaceable lenses. Various lens clusters from wide angle to long focus are provided for engineers to cope with all kinds of thermal imaging applications. They can conduct fast checking with wide-angle lens around near area and can deal with small target inspection in distance.



Both T300 and T600 have ultra-high thermal sensitivity of 50mK, highlighting more temperature details and finding out the potential risks that are difficult to find by low-sensitivity equipment during inspection



## ■ Fully Automatic Infrared Focusing System, Fast for Improving Efficiency

The newly introduced automatic infrared focusing system realizes quick and accurate focusing on the target. It enables engineers to focus and take pictures quickly with only one hand in a complex environment, thereby improving work efficiency and safety.





## Optional Extended Temperature Measurement Range up to 2,000°C

It can fully meet the inspection requirements of various high-temperature targets and cover most industrial application scenarios.

### Combining Multiple Advantages Together

Classic Product Worth Every Penny

■ 5-inch Touch Screen, Intuitive and Easy-to-operate

Larger display brings clearer view and more accurate operation. It is convenient to use point/line/area temperature measuring tools on site for efficient and clear observation and analysis of targets.



## ■ 5,000,000-pixel Visible Light Camera, Recording Inspection Results with Dual-spectrum

Kaiyang T Series supports 4 image modes, including infrared, PIP (picture-in-picture), dual-spectrum fusion, and visible light. They are integrated to efficiently find targets and record visible light at the same time for detailed analysis of site conditions.

#### ■ More Extended Functions



Kaiyang T Series has flexible and diverse file and video transmission modes, including WiFi, HDMI and USB.Multiple functions are available, such as Optional, Bluetooth, laser rangefinding, audible and visual alarm, so as to improve the speed and efficiency of inspection and maintenance.



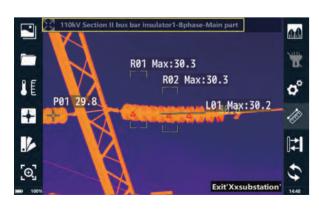


### Professional and Diverse Software Functions

Smart Equipment to Improve Efficiency

## ■ Smart Shooting - Power Inspection Task Package

The chart of the inspection task can be imported in advance to automatically generate the inspection task package. It can save the working effort by saving the photos automatically according to the naming rules in the inspection task package.



#### ■ Database Management - Image Retrieval, Comparison, and Analysis

Kaiyang T Series supports intelligent database management to enable the functions of equipment image retrieval and equipment status comparison and analysis. The data are traceable as the basis for equipment status prediction reducing misjudgment.

#### ■ Generation Test Reports Automatically

Click for professional report. The data processing cost and learning cost for users are greatly reduced.



### **Application Fields**











Transmission Inspection

stribution Inspection

Distribution patrol inspecti

Metallurgy and Petrochemical Industry

Production and Manufacture

### Main Specifications

Deversor	Model	T600	T300
Detector Type  Detector Type  Detector Type  Detector Type  Detector Type  Detector Type  Detector Resolution  D. 660×512  SomK  1.3 Imrad(with 24°×18°lens)  D. 66mrad(with 48°×36°lens)  D. 65mrad(with 48°×36°lens)  D.			
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1.30mrad(with 48** 36*lens)   0.34mrad(with 12** 9*lens)   0.34mrad(with 12** 9*lens)   0.34mrad(with 12** 9*lens)   0.34mrad(with 12** 45*lens)   0.34mrad(with 6** 4.5*lens)   0.34mra	THEITHALSENSILIVILY/INCTD		
Description			
Lens    Control	Spatial resolution(IFOV)		
Lens   Standard: 247. Optional: 48°, 127. 6°			
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Digital camera   Electric torch   Laser   Laser pointer and laser range finding (Distance:0.3m-40m, accuracy; ±(1.5cm+5% of reading))			
Electric torch Laser   Laser pointer and laser range finding [Distance: 0.3 m-40m, accuracy: ± (1.5 cm+5% of reading)] Auto/manual/electic Lens replacement mode   Direct clamping (Increase energy transmittance) Display   S-inch touch screen, with 800°480 pixels   Image mode   Thermal, dual-spectrum fusion, visible light, PIP Color palettes   10 kinds   Temperature Scale   10 kinds   Temperature Scale   10 kinds   Later of the scale   10 kinds			
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Sync storage settings    Save both visual and thermal images     Image capture mode   General/power distribution     Ik image format   JPG/PNG/JPG of State Grid standard(all with temperature data)     Visual iamge format   JPG/PNG     Ik video format   H.264/IRV radiometric IR video     Data export   SD memory card     Video output   HDM     Video output   MicroHDM     Battery type   Rechargeable and detachable Lithium battery     Power voltage   DC12V     Battery operating time   more than 2 hrs (single battery) at 25°C ambient temperature and typical use     Power management   Support sleep mode     Charging system   Two-bay charger or 12V car charger     Weight   ≤1.3kg(incl. battery)     Camera dimension   260x135x136mm     Operating temperature range   -20°C~55°C     Storage temperature range   -40°C~70°C     Humidity (operating and storage)   <95%RH, no condensation     Encapsulation   IP54     National standard   GB/T19870-2018     Certificates   Certificates from Zhejiang Metrology Research Institute/UN38.3/SDS/CE/FCC/RoHS/ Certificates from Zhejiang Metrology	Storage mode	32G SD card ( able to save about 10000 thermal images), expandable to 128G	
Image capture mode  IR image format  IR image format  IR wideo output  IR wideo	Sync storage settings		
IR image format  JPG/PNG/JPG of State Grid standard(all with temperature data)  Visual iamge format  JPG/PNG  IR video format  Data export  Video output  Video output  Video output interface  MicroHDMI  Video output interface  MicroHDMI  Battery type  Rechargeable and detachable Lithium battery  DC12V  Battery operating time  Power wanagement  Charging system  Two-bay charger or 12V car charger  Weight  Support sleep mode  Charging time interface  Camera dimension  Operating temperature range  Support sleep  -20°C~55°C  Storage temperature range  -40°C~70°C  Humidity (operating and storage)  Encapsulation  Autonal standard  GB/T19870-2018  Certificates  Certificates from Zhejiang Metrology Research Institute/UN38.3/SDS/CE/FCC/RoHS/ Certificates from	Image capture mode	General/power distribution	
Visual iamge format     JPG/PNG       IR vide of format     H.264/IRV radiometric IR video       Data export     SD memory card       Video output     HDMI       Video output interface     MicroHDMI       Battery type     Rechargeable and detachable Lithium battery       Power voltage     DC.12V       Battery operating time     more than 2 hrs (single battery) at 25°C ambient temperature and typical use       Power management     Support sleep mode       Charging system     Two-bay charger or 12V car charger       Weight     ≤1.3kg(incl. battery)       Camera dimension     260x135x136mm       Operating temperature range     -20°C~55°C       Storage temperature range     -40°C~70°C       Humidity (operating and storage)     <95%RH, no condensation	IR image format		
Data export  Video output  Video output  Video output interface  Battery type  Rechargeable and detachable Lithium battery  Power voltage  Battery operating time  Power management  Charging system  Two-bay charger or 12V car charger  Weight  Camera dimension  Operating temperature range  Storage temperature range  Too'C~55°C  Storage temperature range  Storage temperat	Visual iamge format	JPG/PNG	
Video output     HDMI       Video output interface     MicroHDMI       Battery type     Rechargeable and detachable Lithium battery       Power voltage     DC12V       Battery operating time     more than 2 hrs (single battery) at 25°C ambient temperature and typical use       Power management     Support sleep mode       Charging system     Two-bay charger or 12V car charger       Weight     ≤1.3kg(incl. battery)       Camera dimension     260x135x136mm       Operating temperature range     -20°C~55°C       Storage temperature range     -40°C~70°C       Humidity (operating and storage)     <95%RH, no condensation	IR video format	H.264/IRV radiometric IR video	
Video output interface     MicroHDMI       Battery type     Rechargeable and detachable Lithium battery       Power voltage     DC12V       Battery operating time     more than 2 hrs (single battery) at 25°C ambient temperature and typical use       Power management     Support sleep mode       Charging system     Two-bay charger or 12V car charger       Weight     ≤1.3kg(incl. battery)       Camera dimension     260x135x136mm       Operating temperature range     -20°C~55°C       Storage temperature range     -40°C~70°C       Humidity (operating and storage)     <95%RH, no condensation	Data export	SD memory card	
Battery type  Rechargeable and detachable Lithium battery  DC12V  Battery operating time  Power management  Charging system  Weight  Camera dimension  Operating temperature range  Storage temperature range  Storage temperature range  Too-bay charger or 12V car charger  13kg(incl. battery)  260x135x136mm  Operating temperature range  -20°C~55°C  Storage temperature range  40°C~70°C  Humidity (operating and storage)  Fincapsulation  Rational standard  GB/T19870-2018  Certificates  Certificates from Zhejiang Metrology Research Institute/UN38.3/SDS/CE/FCC/RoHS/ Certificates from	Video output		
Power voltage Battery operating time Battery operating time Power management Charging system Two-bay charger or 12V car charger Weight Camera dimension Operating temperature range Storage temperature range Too'C∼55°C Storage temperature range Too'C∼70°C Humidity (operating and storage) Fincapsulation National standard Certificates Certificates  Power than 2 hrs (single battery) at 25°C ambient temperature and typical use Support sleep mode Two-bay charger or 12V car charger  Support sleep mode Two-bay charger  Two-bay charger  Septimal standard Septimal standard Septimal standard Certificates from Zhejiang Metrology Research Institute/UN38.3/SDS/CE/FCC/RoHS/ Certificates from	Video output interface	MicroHDMI	
Battery operating time more than 2 hrs (single battery) at 25°C ambient temperature and typical use Power management Support sleep mode Charging system Two-bay charger or 12V car charger Weight ≤1.3kg(incl. battery) Camera dimension 260x135x136mm Operating temperature range -20°C∼55°C Storage temperature range -40°C∼70°C Humidity (operating and storage) <95%RH, no condensation Encapsulation IP54 National standard GB/T19870-2018 Certificates from Zhejiang Metrology Research Institute/UN38.3/SDS/CE/FCC/RoHS/ Certificates from	Battery type		
Power management     Support sleep mode       Charging system     Two-bay charger or 12V car charger       Weight     ≤1.3kg(incl. battery)       Camera dimension     260x135x136mm       Operating temperature range     -20°C~55°C       Storage temperature range     -40°C~70°C       Humidity (operating and storage)     <95%RH, no condensation	Power voltage		
Power management  Charging system  Two-bay charger or 12V car charger  Weight  Support sleep mode  Two-bay charger or 12V car charger  Self-star size of 12	Battery operating time		
Weight   Camera dimension   Camera dimension   Constraing temperature range   Storage temperature range   Humidity (operating and storage)   Encapsulation   Storage temperature range   A0°C ~70°C   Storage temperature range   A95%RH, no condensation   IP54   National standard   GB/T19870-2018   Certificates from Zhejiang Metrology Research Institute/UN38.3/SDS/CE/FCC/RoHS/ Certificates from	Power management		
Camera dimension  Operating temperature range  -20°C~55°C  Storage temperature range  -40°C~70°C  Humidity (operating and storage)  Encapsulation  IP54  National standard  Certificates  Certificates from Zhejiang Metrology Research Institute/UN38.3/SDS/CE/FCC/RoHS/ Certificates from	Charging system		
Operating temperature range -20°C~55°C Storage temperature range -40°C~70°C Humidity (operating and storage) -595%RH, no condensation -595%RH, no	Weight		
Storage temperature range -40°C~70°C Humidity (operating and storage) <95%RH, no condensation Encapsulation IP54 National standard GB/T19870-2018 Certificates Certificates from Zhejiang Metrology Research Institute/UN38.3/SDS/CE/FCC/RoHS/ Certificates from	Camera dimension		
Humidity (operating and storage)  Encapsulation  IP54  National standard  Certificates from Zhejiang Metrology Research Institute/UN38.3/SDS/CE/FCC/RoHS/ Certificates from			
Encapsulation         IP54           National standard         GB/T19870-2018           Certificates         Certificates from Zhejiang Metrology Research Institute/UN38.3/SDS/CE/FCC/RoHS/ Certificates from	Storage temperature range		
National standard GB/T19870-2018  Certificates Certificates from Zhejiang Metrology Research Institute/UN38.3/SDS/CE/FCC/RoHS/ Certificates from			
Certificates Certificates from Zhejiang Metrology Research Institute/UN38.3/SDS/CE/FCC/RoHS/ Certificates from	Encapsulation		
	National standard		
CEPRI (China Electric Power Research Institute)/DGM	Certificates	Certificates from Zhejiang Metrology Research Insti	tute/UN38.3/SDS/CE/FCC/RoHS/ Certificates from
		CEPRI (China Electric Powe	er Research Institute)/DGM

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