l Camera

AT Series Automatic Focusing Online Temperature Measurement Thermal Camera

AT31/61 is equipped with a compact professional electric focusing lens, which adds flexibility for using & installing and makes it adaptable to more targets. It is equiped with our self-developed high performance, high resolution, and high sensitivity VOx detector. Com bined with the Matrix III patented image algorithm, intelligent temperature measurement algorithm, the temperature measurement result is more accurate and reliable, providing professional customers with more comprehensive and accurate thermal imaging products and solutions.
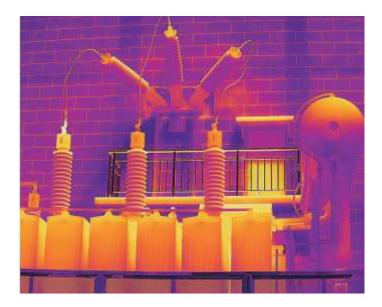
1.AT31/61 -- Accurately transmit on-site temperature data

Provide various compact electric focusing lenses selection to meet different field & depth of view requirement. Provide more accurate temperature and output high-quality thermal images.

50Hz frame rate and Gigabit Ethernet interface support real-time transmission of on-site temperature data.

-20°C~+550°C wide range temperature measurement makes it possible to monitor more industrial targets requiring high-temperature measurement.

Patented intelligent temperature compensation algorithm greatly improves measurement accuracy and adding conve   nience for engineers to pinpoint and troubleshoot the failure.

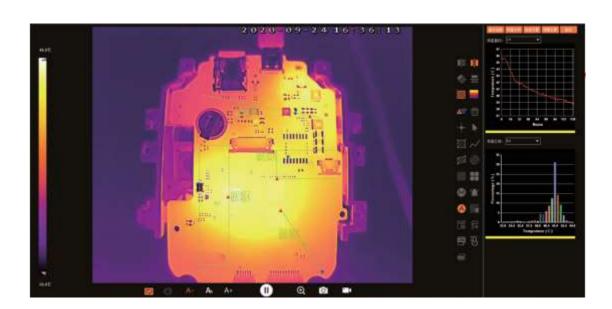# 2.The combination of hardware and software innovation makes AT31 / 61 your ideal powerful equipment

Multiple network protocols such as TCP, UDP, ICMP, and DHCP, can achieve real-time temperature monitoring and abnormal warning. Compatible with protocols such as ONVIF, GB28181, and GenlCam provide convenience for on-site installation and sharing analysis and alarm results.

Automatic focusing makes field test and application more convenient.

Displaying more Test results of spots,Lines,and areas provides an easier way for obtaining back-end temperature data and makes the application more flexible and convenient, reducing the cost of use.

Provide SDK and PC software to support customized secondary development Improve practicality and feasibility to form your unique advantages to customer .

Comply with RoHS, CE, and other EU Environment-Protecting Direc   tives, bring no worry for export.

3. 1.3 megapixel infrared temperature measurement, A whole new thermal world waiting to be explored.

Most advanced REAL 1.3-megapixel infrared temperature measurement contributes to the future;

1280×1024 full-picture temperature measurement thermal imager, providing rich temperature details, can easily cope with large area temperature measurement application of key nodes;

Can be used in core power equipment inspection, large-scale oil and chemical engineering equipment monitoring, high-precision scientific research test and evaluation.

Break through the ceiling of infrared temperature measurement imaging and enter the new stage of megapixel.

Application Fields

Electrical inspections | Petrochemical equipment monitoring | Automatic control | Firefighting surveillance | R&D test and evaluation

Camera Model	AT61	AT31	AT1280
Detector Parameters			
Detector Type	VOx uncooled infrared FPA detector		
Resolution	384×288	640×512	1280×1024
Frame Rate	50Hz	25Hz(30Hz Optional)	15Hz(30Hz Optional)
Temperature Measurement Performance			
Measuring Range	-20°C～+150°C, 0°C~+550°C		
NETD	<50mk @25°C,F1.0(<40mk Optional)		
Measurement Accuracy @Environment Temperature -20°C~60°C	±2°C or ±2% of the reading (whichever is the greater)		
Temperature Measurement Tools	Comprehensive analysis of temperature Professional temperature analysis software It can be seen and analyzed		
Ethernet			
Network Protocol	TCP、UDP、ICMP、DHCP、RTSP, TCP、UDP、ICMP、DHCP、RTSP、GigE		
Network Interface	RJ45		
Image Adjustment			
Brightness and			

Contrast Adjustment	Manual/Auto 0 (defaulted)/Auto 1		
Polarity	Black hot/White hot		
Palette	Support 18 palettes		
Image Flip	Horizontal/Vertical/Diagonal Mirror Image		
Area-of-interest	Support		

Lens			
Focal Length	7.8mm/10.6mm/13mm/15mm/25mm		19mm
Lens Control	Support auto/manual focusing		

Power Interface			
Power Voltage	10~36V DC		10~16V DC
Typical Power Consumption @25°C	≤3W	≤3.3W	≤6W
Power Protection	Support overvoltage, undervoltage, and reverse connection protection		

Physical Characteristics	
Dimension	55 × 55 × 119 (mm) (L×W×H) 62 × 70 × 130 (mm) (L×W×H)

Environment Adaptability		
Operating Temperature	-20°C~+70°C	-10°C~+60°C
Storage Temperature	-45°C~+85°C	-20°C~+65°C
Impact	30g, 11ms, all axials	
Vibration	4.3g, random vibration, all axials	
Humidity	5%~95%, non-condensing	

Software Support	
SDK	Support
PC Software	Support

Environmental Directives	
RoHS2.0	Support
CE	Support

Product consulting

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After sales hotline:+86-400-883-0800 (tel:+86-535-3410669)

Address:11th Guiyang Street, YEDA,Yantai 264006,P.R.China

IMAGERS

Thermal Monocular (/eyethermalmonocular.html)

Phone Thermal Camera (/T2thermalcamera.html)

Car Thermal Camera (/AsensMthermalcamera.html)

Clip on Thermal Scope (/clipcthermalscope.html)

Rico Thermal Scope (/Rico.html)

Tube Thermal Scope (/Tube.html)

Dual spectrum thermal imager (/xfusethermalimager.html)

online monitring thermal camera (/A8thermalcamera.html)

MODULES

Micro III Thermal Imaging Module (/Micro3thermalmodule.html)

Mini Thermal Imaging Module (/Mini.html)

LT Temperature Measurement Module (/LTthermalmodule.html)

FT Alarming Thermal Imaging Module (/FTthermalmodule.html)

Phoenix Cooled MWIR Imaging Module (/phoenixthermalmodule.html)

APPLICATIONS

Infrared Thermography (/gycw.html)

Security Thermal Camera (/aqjk.html)

Night Vision (/hwyd.html)

UAV Thermal Module (/wrjzh.html)

Smart Phone (/zhsh.html)

Automotive Thermal Camera (/qcys.html)

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