

de FOV



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## AT31U Online Ultra-High Temperature Thermal Imager



The temperature measurement range is up to 1,500°C.

40 mK high resolution, to display temperature details more clearly.

89.3° wide FOV, to provide wider measurement range.

### Ultra-high temperature Range

The temperature measurement range is up to 1,500°C, which meets the requirements of an ultra-high temperature test.

### High performance

40 mK high resolution, to display temperature details more clearly. 89.3° wide FOV, to provide wider measurement range.

### Solid and Robust

Small window design and shell can effectively protect the lens and camera body, which is suitable for terrible environment.

AT31U Performance Parameters	
Imaging and Optical Data	
Resolution	384×288
NETD	<50mk(optional 40mk)
Frequency	50Hz
Detector Data	

Detector Type	VOx, Uncooled FPA detector
Spectral Range	8 ~ 14 $\mu$ m
Pixel	17 $\mu$ m
<b>Temperature Measurement</b>	
Object Temperature Range	0°C ~ 450°C
	450°C ~ 1500°C
Accuracy	$\pm$ 2°C or $\pm$ 2% (The larger value shall prevail)
Measurement Tools	Any fixed spot
	Full screen max./min. temperature capture
	Central spot
	Line/region analysis tool
	Manually choose temperature width
<b>Interface</b>	
Analog Video Output	1 channel video
Network Output	RJ45 10M/100M/1000M self-adaptive
Alarm Interface	1 output, 1 input
Network Protocol	Ethernet/IP, TCP, UDP, SNTP, RTSP, HTTP, ICMP, SMTP, DHCP, UPnP, PPPOE
Ethernet	Control and transmit images
Interface Protocol	ONVIF can be customized
<b>Image Adjustment</b>	
Brightness and Contrast Adjustment	Manual/Auto 0(default)/Auto 1
Polarity	Black hot/white hot
Palette	18 palettes are available
Image Flip	Left and right/up and down/diagonal
<b>Power System</b>	
Typical power consumption@25°C	$\leq$ 3W
Connector type for external power supply	DC
Voltage	9 ~ 26VDC
<b>Environmental Data</b>	
Operating Temperature Range	-20°C ~ 60°C
Storage Temperature Range	-40°C ~ 70°C
Humidity (operating & storage)	5% ~ 95%RH(no condensation)
Shock	30g,11ms, all axes
Vibration	4.3g, random vibration, all axes

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## IMAGERS

[Thermal Monocular \(/eyethermalmonocular.html\)](/eyethermalmonocular.html)

[Phone Thermal Camera \(/T2thermalcamera.html\)](/T2thermalcamera.html)

[Car Thermal Camera \(/AsensMthermalcamera.html\)](/AsensMthermalcamera.html)

[Clip on Thermal Scope \(/clipcthermalscope.html\)](/clipcthermalscope.html)

[Rico Thermal Scope \(/Rico.html\)](/Rico.html)

[Tube Thermal Scope \(/Tube.html\)](/Tube.html)

[Dual spectrum thermal imager \(/xfusethermalimager.html\)](/xfusethermalimager.html)

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## MODULES

[Micro III Thermal Imaging Module \(/Micro3thermalmodule.html\)](/Micro3thermalmodule.html)

[Mini Thermal Imaging Module \(/Mini.html\)](/Mini.html)

[LT Temperature Measurement Module \(/LTthermalmodule.html\)](/LTthermalmodule.html)

[FT Alarming Thermal Imaging Module \(/FTthermalmodule.html\)](/FTthermalmodule.html)

[Phoenix Cooled MWIR Imaging Module \(/phoenixthermalmodule.html\)](/phoenixthermalmodule.html)

## APPLICATIONS

[Infrared Thermography \(/gycw.html\)](/gycw.html)

[Security Thermal Camera \(/aqjk.html\)](/aqjk.html)

[Night Vision \(/hwyd.html\)](/hwyd.html)

[UAV Thermal Module \(/wrjzh.html\)](/wrjzh.html)

[Smart Phone \(/zhsh.html\)](/zhsh.html)

[Automotive Thermal Camera \(/qcys.html\)](/qcys.html)

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