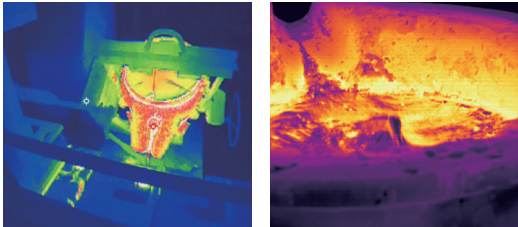




ATR61U

Online High Temperature Thermal Camera

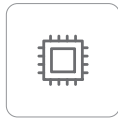
The ATR61U Online High Temperature Thermal Camera is a high-performance and high-reliability industrial-grade thermal imaging device. With its wide measurement range of 1500°C, clear image technology, and intelligent online monitoring function, this product plays an important role in ultra-high temperature industrial environments such as steel smelting, glass manufacturing, and ceramic production.



Product Highlights



High temperature range
from 0 to 1500°C
Accurate measurement



640×512 infrared resolution
HD vision



NETD < 50mK
Minute temperature difference
resolution



Support multiple
protocols such as Modbus
TCP and ONVIF, Support
secondary development

Lens Parameters

Model	ATR61U
Focal Length	6mm
FOV	73.2°×58.5°
Spatial Resolution (IFOV)	2mrad

Specifications

Thermal Imaging Parameters

Detector	Uncooled VOx detector
Infrared Resolution	640×512
Pixel Pitch	12μm
Frame Rate	25Hz
Spectral Band	8μm~14μm
Thermal Sensitivity (NETD)	<50mk

Temperature Measurement

Measurement Range	0°C~400°C; 400°C~1500°C
Measurement Accuracy	±2°C or ±2% of readings
Temperature Measurement Correction	Reflected temperature, ambient temperature, atmospheric transmissivity, object emissivity, distance
Measurement Tool	Settings of measurement rules for a total of 12 points, lines and areas, supporting isotherm setting
Palettes	18 color palettes including iron red, black-hot & white-hot, rainbow, etc.
Image Processing	Temperature width stretch, non-uniformity correction, thermal image capture, digital zoom (1-8)

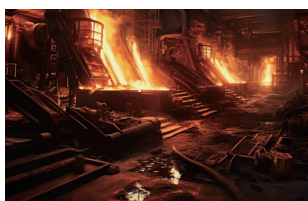
System Interface

Communication Interface	RJ45, supporting Gigabit network; 1-channel RS485, supporting Pelco-D protocol expansion (optional)
Alarm Interface	1-channel alarm input, 1-channel alarm output
Video Interface	1-channel analog video
Video Standards	H.264/H.265
Network protocol	TCP,UDP,SNTP,HTTP,ICMP,SMTP,DHCP,UPnP,PPPOE,RTSP
Interface Protocol	ONVIF, GB28181, Modbus TCP, Ethernet/IP

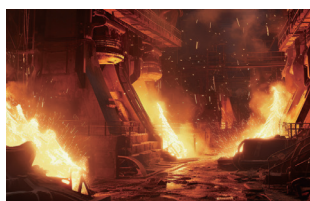
Device Specifications

Operating Temperature	-20°C~+60°C
Power Supply Mode	9~26V DC
Typical Power Consumption	3W
Dimensions	46.5mm×48mm×146mm (with 6mm lens)
Weight	About 340g

Applications



Steel Casting



High Temperature Materials



Metal Heat Treatment



Gasifier Monitoring

RayThink Technology Co., Ltd.

Company Address: No.5 Wanshoushan Road, Fulaishan Street, Yantai Area of China (Shandong) Pilot Free Trade Zone
Postal Code: 264000 Official Website: <http://www.raythink-tech.com> Service Email: sales@raythink-tech.com

*The information is for illustrative purposes only. The pictures and technical specifications are subject to change without prior notice. Sample No.: G2024-ATR61U-2P001