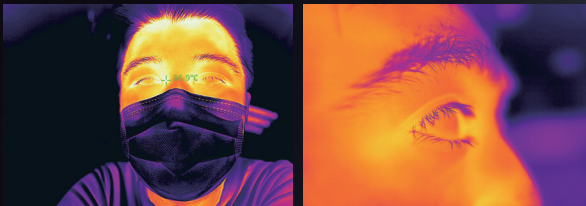
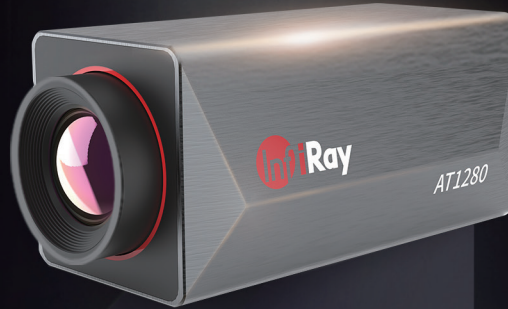




InfiRay<sup>®</sup> First

# 1.3 Megapixel Thermography

Further distance measurement, Sharper than ever



1280×1024

1.3 Megapixel  
Thermography



600+ People/Min  
Flow



20m Measuring  
Distance

±0.3°C

±0.3°C Accuracy

MATRIX III

Patented image  
algorithm

30Hz

High Frame  
Rate



Auto focus



Professional  
analysis software

## AT Specification

Mode	AT1280	AT600	
<b>Specification</b>			
Detector	VOx uncooled thermal FPA		
Resolution	1280×1024	640×512	
NETD	≤50mK @25°C, F#1.0	≤40mK @25°C, F#1.0	
<b>Temperature Measurement</b>			
Measurement range	0°C~60°C		
Accuracy	±0.3°C@ 33°C~42°C of target temperature		
Flux	>600 people/minute	>200 people/minute	
Measurement mode	Intelligent human face tracking and measuring		
High temperature alarm	Pop out window, audible alarm, capture alarm		
<b>Connector</b>			
Network Protocol	TCP、UDP、ICMP、IGMP、DHCP、RTSP		
Network connector	RJ45		
<b>Lens</b>			
Focal length	19mm	15mm	
FOV	44°×35.8°	34.2°×27.4°	
Focus	Auto focus/manual focus		
<b>Power supply</b>			
Network	Power voltage	10~36V DC	
	@25°C Typical consumption	≤4.5W	≤3.3W
	Power protection	Support over-voltage, under-voltage, reverse connection protection	
	POE	Support	
<b>Physical character</b>			
Dimension	62×70×130(mm) (length×width×height)	55×55×119(mm) (length×width×height)	
<b>Environment Adaptation</b>			
Working temperature	10°C~40°C (Accurate Measurement @16°C~32°C)	-10°C~+60°C	
Storage temperature	-20°C~+65°C		
Shock	30g, 11ms, all axes		
Vibration	4.3grandom vibration, all axes		
Humidity	5%~95%, non-condensing		
<b>Software Support</b>			
SDK	Support		
Professional analysis software	Support		

■ This catalog is for illustrative purposes only. Technical specifications are subject to change without prior notice.

## Company Information

IRay Technology Co., Ltd. is a wholly-owned subsidiary of Raytron Technology Co., Ltd. (SSE: 688002). As a high-tech enterprise, IRay Technology develops and manufactures infrared FPA detectors, thermal imaging modules, and other products, with completely independent intellectual property rights. We are committed to providing global customers with professional thermal imaging products and solutions. The main products include IRFPA detectors, thermal imaging cores, and terminal products for application.

With R&D personnel accounts for 51% of all employees, IRay Technology owns 311 patented technologies in multiple fields, such as the development of integrated circuit, the design and manufacture of MEMS sensor, and Matrix III image processing algorithms.

IRay products have been applied in various fields, such as aerospace, disease control and prevention, industrial temperature measurement, intelligent surveillance, outdoor observation, ADAS, AIoT, AI, and machine vision.



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