OR2: General Thermal Module for

Temperature Measurement

Application field： ThermographyIndustrial process

OR2 general thermal module for temperature measurement features by 384×288 resolution, different lens for options, industrial-standard open interfaces and general protocol, it is designed for the applications such as electrical inspection, industrial production line's inspection and OEM integration. This module supports digital video signals output and full radiometric pictures and compressed video's storage. Its compatibility and extensibility make it could be simply redeveloped or integrated into any optoelectronic system.

IR Detector		
Detector type	Uncooled VOx Micro bolometer	
Resolution	384x288	
Pixel pitch	25μm	
Spectral range	8μm-14μm	
Lens		
Minimum Focus	19mm	8.8mm
Focus	Fixed Focus	
FOV	28.4°x21.5°	57.2°x44.5°
Measurement		
Temperature Range	-20℃~150℃	
Accuracy	±2 or 2%	
Image		
Image Storage Format	JPG	
Video Storage Format	Standard H.264 compressed video	
Ethernet		
Function	Control and image transmission	
Type	100m	

Network interface	RJ45
Video-streaming	RTSP

Software

Digital zoom	x2、x4
Compensation	Yes
Set-up Temperature Unit	Yes
Add Analysis Object	Point, line, rectangle
Alarm	Yes, cursor display
Time-lapse Video	Yes
Time-lapse Picture	Yes
Color palettes	8

Power Supply

Input Power	12VDC (low-power consumption)
Voltage	9V~15V

Environmental

Operating Temperature Range	-10℃~50℃
Non-Operating Temperature Range	-40℃~70℃
Humidity	≤95%
Vibration	2g (IEC 60068-2-6)
Shock	25g (IEC 60068-2-29)

Interfaces

Electrical Interface	RJ54 , Power , SD card

Mechanical

Weight	260g
Size (Without lens)	100mm x 45mm x 45mm

Certification	ROHS , CE

*Technical parameters are subject to change without notice.