

Online PC Monitoring

IRDM60 Series

HIGHEST RESOLUTION AND ACCURACY
WITH LOW COST



IRDM60 Series


Optional waterproof housing

Exceptional for process control and security

Remote control

amperis

www.amperis.com

 AMPERIS PRODUCTS S.L
Agricultura,34
27003, Lugo, Spain

 Contact

+T [+34] 982 20 99 20 | F [+34] 982 20 99 11
info@amperis.com | www.amperis.com

IRDM60 series is an online condition monitoring infrared thermal imaging camera developed with new generation uncooled FPA detector. With high thermal sensitivity, clear IR image, accurate temperature and easy operation. IRDM60 series is suitable for a wide variety of applications of process condition non-contact temperature measure, quick Fault Diagnosis and heat field analysis in field of industry, electricity, electronic condition state detection.

IRDM60 - Exceptional for process control and security



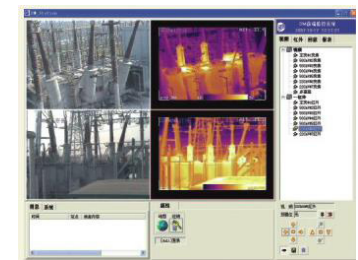
PCB Detection



LAN Port



Optional Waterproof Housing



Process State Monitoring

Technical parameters

	IRDM60-160	IRDM60-384	
Detector characteristics	Detector type	Uncooled FPA microbolometer	
	Array size/format	160×120	384×288
Image manage	Field of view/min focus distance	18°×13°/0.3m	16°×12°/0.5m
	Spatial resolutions(IFOV)	1.9mrad	0.88mrad
	Thermal sensitivity	≤0.1@30°C	≤0.06°C@30°C
	Frame rate	50/60HZ	
	Focus	Manual	Manual/Auto
	Spectral range	8 ~ 14μm	
Measurement	Temperature ranges	-20°C~+350°C, optional up to +600°C	-20°C~+500°C, optional up to +600°C
	Accuracy	±2°C or ±2% of reading, whichever is greater	
	Measurement correction	Automatic/manual	
	Measurement mode	Up to 4 movable spots. Up to 3 movable areas (maximum, minimum and average temperatures). Line profile. Isotherms. Temperature difference. Alarm (voice, color)	
	Color palette	11 palettes changeable (Iron, rainbow, Grey and Grey inverted, etc.)	
	Image adjustment	Auto/manual gain and brightness	
	Setup functions	Date/time, temperature unit, language	
	Emissivity correction	Variable from 0.01 to 1.0	
	Background temperature correction	Automatic correction according to user input	
	Atmospheric transmission correction	Automatic correction according to user input object distance, humidity and temperature	
Image storage	Raw image capture	Single frame raw image manual captured via client control software, the captured images are analyzable	
	Image storage	MPEG-4 images storage, single image capture, BMP	
Power supply	External power	10~15V DC	
	Power consumption	≤6W(Normal operating at 25°C ambient temperature condition)	
Environment	Operating temperature	-15°C~+50°C	
	Humidity	≤90% non-condensing	
Physical characteristics	Weight	≤1.09Kg (Exclude lens)	
	Dimensions	224mm×92mm×82mm	260mm×92mm×82mm
Interface	External DC input	Yes	
	Video output	PAL/NTSC	
	Digital video output	RJ-45 Ethernet output,MPEG4 digital video/raw temperature measured data	
	Remote control Interface	RS485	
	Ethernet Interface	RJ-45 Ethernet output for thermal image, data transfer, and camera control	
	Alarm Interface	Switch: Alarm signal output	