

IRDM63/IRDM66

HIGHEST RESOLUTION AND ACCURACY
WITH LOW COST



Continuous Recording

IRDM63/IRDM66

Optional waterproof housing.


Exceptional for security.

Remote control.

Online PC Monitoring

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IRDM63/IRDM66 series are 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. IRDM63/IRDM66 are 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. Front-end to complete all picture process and measured temperature operation, analogic video exit directly to a PC or monitor, connecting via internet avoid user to see video everywhere. Development software included.

IRDM63/IRDM66 – Ideal camera for security application



Monitoring and control options



Examples of different applications



Optional Waterproof Housing



Opcional lenses

Technical parameters

	IRDM66-S	IRDM63-S	
Detector characteristics	Detector type	Uncooled FPA microbolometer	
	Array size/format	640*480	384*288
	Pixel size	35um	
	Spectral range	8 to 14um	
Image manage	Field of view/min focus distance	24°×18°/0.1m	
	Spatial resolutions(IFOV)	0.67mrad	1.37mrad
	Thermal sensitivity	≤0.06°C@30°C	
	Frame rate	50/60HZ	
	Focus	Auto/ electric	
	Electronic zoom	2x,4x	
Measurement	Temperature ranges	-20°C~+650°C, optional up to +1200°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 (°C,°F and K), language and IP address	
	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	Storing mode	Auto/manual continuous frame storing	
	Image storage	MPEG-4 images storage, single image capture, BMP	
	Store format	H.264	
Power supply	External power	10~15V Vcc	
	Power consumption	9W	7W

Environment	Operating temperature	-15°C~+50°C
	Storing temperature	-40°C~+70°C
	Housing	IP67
	Anti shock	25G, IEC68-2-29
	Anti vibration	2G, IEC68-2-6
	Electromagnetic compatibility	CE/FCC
	Humidity	≤90% non-condensing
Physical characteristics	Weight	1Kg
	Dimensions	75mm×72mm×230mm
Interface	External DC input	Yes
	Video output	PAL
	Digital video output	Ethernet output
	Alarm Interface	Switch: Alarm signal output (2 ports)

