

Online Condition Monitoring thermal camera CI-OMC-60



OVERVIEW

CI-OMC-60 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. CI-OMC-60 is suitable for a wide variety of applications of process condition non-temperature measure, quick Fault Diagnosis and heat field analysis in field of industry, electricity condition state detection.

MAIN FEATURES

- 384×288 uncooled FPA detector
- Temperature measurement
- Wide variety of applications

TECHNICAL SPECIFICATIONS

ITEM		CI-OMC-60
Detector characteristics	Detector type	Uncooled FPA microbolometer
	Array size/format	384×288
Image manage	Field of view/min focus distance	16°×12°/0.5m
	Spatial resolutions(IFOV)	0.88mrad
	Thermal sensitivity	0.06°C@30°C
	Frame rate	50/60HZ
	Focus	Autom/manual electric focus
	Spectral range	8~14μm
Measurement	Temperature ranges	-20°C~+500°C,extend to +1000°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. Isothem. Temperature difference.Alarm(voice,color)
	Color palette	11 paletts changeable(Iron,Rainbow,Grey inverted,etc)
	Image adjustment	Auto/manual gain and brightness
	Setup functions	Date/time, temperature unit, language IP address
	Emissivity correction	Variable from 00.1 to 1.0 or select from listings in pre-defined material list
	Ambient temperature correction	Automatic correction according to user input
Atmospheric transmission correction	Automatic correction according to user input object distance, relative humidity, ambient 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
Environment	Operating temperature	-15°C~+50°C
	Humidity	≤90% non-condensing
Physical characteristics	Weight	0.79Kg(Exclude lens)
	Dimensions	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	Open/Close:Alarm signal output

CI-OMC-60 :
Net weight: 0.8kg.