

GUIDIR® P Series

On-line Condition Monitoring IR Camera



P Series is an affordable and accurate on-line temperature measurement system. Crisp image, accurate measurement, versatile interfaces and professional PC software, along with Gigabit Ethernet connectivity makes the camera the ideal choice for industrial and automation applications requiring accurate and continuous non-contact temperature monitoring, to avoid catastrophic failure and enhance operational safety, system reliability, product quality and better operating profit.

Applications

Condition monitoring in industrial process & manufacturing facilities, like monitoring the quality of metal, plastic and glass cast parts; monitoring the rubber products indicating the non-uniform thickness.

Features and Benefits

- Precision non-contact temperature measurement
- Gigabit Ethernet connectivity for network and multiple camera installations
- Easy plug and play operation for both pan-tilt and IR camera
- Intelligent and easy control of sleep mode and power method
- Simultaneous output of analog video and digital radiometric video



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P Series	
Imaging Performance	
Detector Type	Uncooled FPA microbolometer (384 × 288 pixels, 25 μ m)
Spectral Range	8-14 μ m
Thermal Sensitivity	≤0.1 °C at 30°C
Field of View/ Focus	13.7° × 10.3° /40mm
Focus	Motorized
Image Frequency	50Hz
Image Presentation	
Image Output	PAL/ NTSC Analog composite video and Gigabit Ethernet 16 bit digital output
Measurement	
Temperature Range	0 °C - +250 °C (up to 1500 °C optional)
Accuracy	±2 °C or ±2% of reading
Measurement Mode	Multi-spot, multi-area, multi-line, isotherm, Delta T, customized modes available
Emissivity Correction	Variable from 0.1 to 1.0
Pan Tilt	
Azimuth Angle	0° ~350°
Pitching Angle	-60° ~+60°
Angular Velocity	6° /s (Azimuth) 3° /s (Pitching)
Preset position can be customized	
Power Source	
Power Supply	110/220VAC adapter
Environment Specifications	
Operating Temperature Range	-20 °C ~+50 °C
Storage Temperature Range	-20 °C ~+50 °C
Physical Characteristics	
Housing	Magnalium
Weight	2kg excluding pan-tilt
Size	312mm × 100mm × 100mm (with sunshield) 430mm × 122mm × 120mm (with sunshield)

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Technical Specifications