http://www.irtek-temp.com/

IRtek International

PIM350

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Application :

- Cement Klin
- Tobacco Industry
- Flat Glass Manufacturing (Annealing Process)
- Metallurgy Industry
- Computer Board Industry
- Food Processing Industry
- Material Handling

Imaging Performance	
Field Of View	**18Â° Horizontal x 13Â° Vertical**
Lens	**13mm**
Spatial Resolution	**1.3mrad**
Optical Resolution	**500 : 1**
Thermal Sensitivity / NETD	**100mK / 0.1Â°C at 30Â°C**
Image Frame Rate	**50Hz / 60Hz full real time**
Focus	**Manual adjust, 30cm (11.8") to infinity**
Detector	**160 x 120, Uncooled Microbolometer FPA (Ulis France)**
Spectral Range	**8 ~ 14Âµm**
Measurement	
Temperature Range	**-20 to 350Â°C (-4 to 482Â°F), optional up to 600Â°C**
Accuracy	**Â±2Â°C or Â±2%**
Measurement Modes	**Four moveable spot, three moveable area displaying max/min/avg, line profile, isothermal band, temperature difference, color alarm**
Display Color	**11 palettes**
Image Adjust	**Auto / Manual**
Setup Functions	**Measurement setting, measurement correction, analysis, date & time, local adapt, system information, factory default, network setting**
Emissivity Correction	**0.10 to 1.00 by 0.01 increments**
Environment Temperature Correction	**Automatic corrections based on user input**
Atmospheric Transmission	**Automatic corrections based on user input for ambient temperature, distance, and relative humidity**
Image Storage	
File Format	**Single photo capture in BMP, Streaming video in MPEG-4**
Image Capture	**Single frame raw image manual captured via control software, the captured images are analyzable and temperature measurable**
Interface	

Analog Video Output	**PAL/NTSC**
Digital Video Output	**RJ-45 Ethernet output, MPEG-4 digital video/raw temperature measured data**
Output	**General purpose output**
Network Interface	**RJ-45 Ethernet output for thermal image, data transfer, and camera control**
Power Source	
External Power Source	**12VDC, 550mA**
Power Consumption	
Enviromental	
Operating / Storage Temperature	**-15 to 50Â°C (-5 to 122Â°F) / -40 to 70Â°C (-40 to 158Â°F)**
Operating / Storage Humidity	
Enclosure	**IP40**
Physical Characteristic	
Unit Dimensions	**224 x 92 x 82mm**
Unit Weight	**800g (without lens)**
Tripod Mounting	**Â¼" - 20**
Accessories	
Standard Accessories	**IR Camera with lens â€¢ CD Software â€¢ Power Cable â€¢ Video Cable â€¢ 2m Network Cable â€¢ Instruction Manual â€¢ Carrying Case & Strap â€¢ Warranty Card â€¢ Certificate of Product Conformance**
Optinoal Accessory	**High temperature lens 600Â°C**

Vendor Information