



HIGH TEMPERATURE CAMERA

# M610 S

## Calico™ 3 Dual Infrared Imaging Processor



**The M610 S is a flexible, dual IR imaging processor delivering precise temperature measurement, reduced hardware costs and improved dependability.**

Mirion's M610 S Calico 3 system delivers enhanced monitoring and control of IR imaging processing.

The system supports up to two M330™/M340™/M540™ IR imagers and provides precise temperature measurement across the entire screen. This robust functionality enables operators to observe process conditions from two locations while measuring up to 32 'free form' temperature measurement zones, including virtually any object or region in each field of view. An innovative lens vignetting correction is employed, which is designed to eliminate erroneous temperature measurements at the edge of the image.

The system's flexibility allows one or two IR imagers, each with a patented pyrometer, to be displayed through one M610 S processor. The M610 S unit sends the collective output to one or two DVI/display port monitors.

### FEATURES

- ✓ 32 'free form' temperature measurement zones which are moveable and sizeable and can be colorized for grouping/clarity
- ✓ Independent emissivity setting for each TMZ
- ✓ One or two IR imagers into one processor
- ✓ Continuous clear, real-time video
- ✓ Dynamic and intuitive user interface
- ✓ Charting and graphing capability
- ✓ Colorization and contrast expansion
- ✓ 16 channels 4-20mA output
- ✓ Multiple temperature trending capabilities
- ✓ Snapshot feature can store images on an automatic or manual basis
- ✓ 10 x digital zoom with pan capability
- ✓ Connectivity with plant control system
- ✓ Large font support for 'viewing at a distance'

### BENEFITS

- ✓ Optimize lower furnace operation of recovery boiler
- ✓ Maintain proper bed profile in recovery boiler
- ✓ Reduced hardware costs
- ✓ Reduced space and power requirements
- ✓ Improved dependability

## M610 S CALICO 3 DUAL INFRARED IMAGING PROCESSOR

### SPECIFICATIONS AND PERFORMANCE

- Power: 100 - 240 V ac; 50/60 Hz
- Power Consumption: 400 W max
- Dimensions: 88.9 x 482.6 x 450.9 mm (H x W x D)  
(excludes mounting lugs/handles)
- Installation Clearances: 76 mm (3.0 in.) at rear
- Operating Temperature: 0 - 50 °C (32 - 122 °F)
- Storage Temperature: 0 - 60 °C (32 - 140 °F)
- Relative Humidity: 10 - 80% non-condensing
- Video Signal Input: 2 x composite video with multiplexed pyrometer data, compatible with M330 and M540 Series cameras
- Maximum Altitude: 2000 m (6561 ft)
- Video Output Channels:
  - 1 x DVI (to PC monitor)
  - 1 x display port
- Analog Outputs: 4 - 20 mA; 16 programmable channels
- Compatibility: M330, M340, M540 camera (with /OP option)
- Ancillary Peripherals: 1 mouse; 1 standard keyboard
- Additional Interfaces: 2 network ports; 4 USB ports
- Weight: 11 kg (24.2 lb)
- Hardware: Supplied with 19 in. rack mounts, handles and feet for desktop mount



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