



# M610 S

Calico™3

Dual Infrared Imaging Processor



Nuclear  
Power



Homeland  
Security  
& Defense



Industrial and  
Manufacturing



Healthcare



Labs and  
Education

## OVERVIEW

The M610 S Calico™ 3 system from Mirion introduces new features and capabilities designed to enhance the ability to monitor and control our customers' processes.

The system supports up to two M330/M340/M540 IR imagers and provides precise temperature measurement across the entire screen. This gives the operators the ability 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 sends the collective output to one or two DVI/display port monitors.

## 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

## KEY 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 easy 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'

**SPECIFICATIONS AND PERFORMANCE**

Power	100 - 240 Vac; 50/60Hz
Power Consumption	400 W max
Dimensions	88.9 mm (H) x 482.6 mm (W) x 450.9 mm (D) (excludes mounting lugs/handles)
Installation Clearances	76 mm (3.0") 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 - 20mA; 16 programmable channels
Compatibility	M330, M340, M540 (with /OP option)
Ancillary Peripherals	1 mouse; 1 standard keyboard
Additional Interfaces	2 networkports; 4 USB ports
Weight	11Kg (24.2 lbs)
Hardware	Supplied with 19" rack mounts, handles and feet for desktop mount



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Specifications may vary according to system configuration. We reserve the right to modify or amend the information herein without prior warning. Please contact your Mirion representative for further information.

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