



# M215 S

Spyrometer™4

Dual Imaging IR Pyrometer Processor



Nuclear  
Power



Homeland  
Security  
& Defense



Industrial and  
Manufacturing



Healthcare



Labs and  
Education

## OVERVIEW

The M215 S Spyrometer™4 Processor from Mirion supports one or two M550 Series imaging pyrometers. This gives operators the ability to view process conditions from two plant locations and to perform temperature measurement of virtually any object or region in each field of view. The application software provides for up to 32 overlaid temperature measurement zones per Spyrometer, which are fully adjustable for size and measurement mode through the user interface.

## BENEFITS

- Integrated video processing/temperature measurement package
- Dual Spyrometer support in a 2U form factor provides for lower hardware costs and control room space requirements
- Full compatibility with M550 series Spyrometers
- Embedded Microsoft™ operating system
- Intuitive graphical user interface

## KEY FEATURES

- Two Spyrometers into one processor
- Continuous, clear real-time video
- Intuitive graphical user interface
- 32 moveable and sizeable temperature measurement zones (TMZ). Programmable for minimum, maximum or average temperature measurement.
- 16 channels 4-20mA output with flexible TMZ assignment and calibration
- Temperature signaling over Ethernet using TCP/IP provides for significantly enhanced plant control system integration
- Short term on-screen trending with flexible TMZ assignment and customizable presentation
- Long term temperature charting, supporting up to 2 charts and pyrometer internal temperature, with flexible TMZ assignment and customizable presentation
- 10x digital video zoom with pan capability
- Remote control of Spyrometer settings

## 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	0 - 80 % non condensing
Video Signal Input	2 x composite video with multiplexed pyrometer data, compatible with M550 Series Spyrometer

Maximum Altitude	2000 m (6561 ft)
Video Output Channels	2 x DVI-D or 2 x VGA (to PC monitor) or any combination. Maximum resolution: DVI-D 2560 x 1600, VGA 1920 x 1200
Analog Outputs	4 - 20mA; 16 programmable channels
Compatibility	M550 Series Spyrometer
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



Per maggiori informazioni contattare:

**INPROTEC IRT**

Via Bizet, 44  
20092 Cinisello Balsamo (MI)  
Tel. +39-02-66.59.59.77  
Fax +39-02-66.04.13.34  
web: [www.termografi.it](http://www.termografi.it)  
e-mail: [infrared@inprotec-irt.it](mailto:infrared@inprotec-irt.it)

> UK - FARNBOROUGH

Mirion Technologies (IST) Ltd  
2 Columbus Drive, Farnborough, Hampshire, GU14 0NZ  
T: +44 1252 375137 | F: +44 1252 391890 | E: [MirionUK@mirion.com](mailto:MirionUK@mirion.com)

For additional information, please contact your Mirion Technologies representative; for any country not listed, email [rees.sales@mirion.com](mailto:rees.sales@mirion.com).

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