



## HIGH TEMPERATURE CAMERA

# M215 S™

*Spyrometer® 4 Dual Imaging  
IR Pyrometer Processor*



## FEATURES

- Continuous, clear real-time video
- Intuitive graphical user interface
- Temperature signaling over a number of different protocols (i.e. Ethernet, ModBus, OPC) available
- 32 moveable and sizeable temperature measurement zones (TMZ). Programmable for minimum, maximum or average temperature measurement
- 16 channels 4-20 mA output with flexible TMZ assignment and channel-by-channel calibration
- On-screen trending with flexible TMZ assignment
- Customizable presentation with instrumentation quality viewing
- Two Spyrometers connect to one processor
- Remote control of Spyrometer settings
- Simplified cable connection between cameras and processor

## DESCRIPTION

We believe in operating combustion processes as simply and efficiently as possible through effective instrumentation, to ensure the best use of resources. Our M215S Spyrometer processor supports single or multi-camera installations with the straightforward clarity necessary to make critical decisions without having to interrogate the system. Whether utilizing the processor for direct operator feedback, or incorporating the output information into your plant control system, the Spyrometer system supports efficient use of your critical resources. The package provides up to 32 overlaid temperature measurement zones per camera, with the ability to lock a zone that directly drives your plant system, while still allowing other zones to be utilized for temporary setup and monitoring. All temperature measurement zones can be fully adjustable for size and measurement method through the user interface and can be locked once set up. Mirion's unique combination of simultaneous multi-spectral infrared temperature measurements overlaid on a visible image provides the greatest level of feedback and performance of your applications in a single view.

## BENEFITS

- Integrated video processing/temperature measurement package with true multi-spectral infrared analysis
- 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

# M215 S | SPYROMETER 4 DUAL IMAGING IR PYROMETER 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	0 - 80% non condensing
Video Signal Input	2 x composite video with multiplexed pyrometer data, compatible with M550 Series Spyrometer
Interface Output Options	Ethernet, OPC, ModBus, DCS

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 - 20 mA; 16 programmable channels
Compatibility	M550 Series Spyrometer
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



SPC-274-EN-A – 04/2022

Copyright © 2022 Mirion Technologies, Inc. or its affiliates. All rights reserved. Mirion, the Mirion logo, and other trade names of Mirion products listed herein are registered trademarks or trademarks of Mirion Technologies, Inc. or its affiliates in the United States and other countries. Third party trademarks mentioned are the property of their respective owners.

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.

Mirion Technologies (IST) Ltd and Mirion Technologies (Imaging), LLC are ISO 9001:2015 certified companies (certificates available on request or at [www.mirion.com](http://www.mirion.com)).

Please note that the products and accessories described in this data sheet may be subject to UK export control or US re-export control. Please check with your authorized representative when enquiring about this product.

