High Temperature Cameras for Industrial Applications

Visible Light Cameras

Get clear visibility and continuous monitoring of your high-temperature processes.

COLOR CAMERAS

M535™ Puma Viewing Camera System (Not compatible with M721)
This camera offers extensive customization, allowing you to select electronics, lenses, filters and other options to suit your specific application. It is available with straight or oblique lens tube options and includes temperature sensors.

M530™ Lynx Color Camera
This camera offers extensive customization, allowing you to select electronics, lenses, filters, and other options to suit your specific application. It is available with straight, oblique, or right-angle lens tube configurations and is compatible with the M721 Iris Controller. For environments requiring additional cooling, a water cooling option is also available.

CONTROLLER

M721™ Auto Iris Controller (Optional)
Adjustments to the M530 camera can be made from the control room via coax cable using this auto iris controller, retaining flame details and burner viewing quality.

Learn more at:
hightemp.mirion.com

HIGH TEMPERATURE CAMERAS FOR INDUSTRIAL APPLICATIONS

COLOR & TEMPERATURE SPYROMETER CAMERAS

M557™ HD High Temperature Spyrometer® Camera
This patented system combines **high-definition, full HD** color video camera with a scanning pyrometer*, allowing operators to monitor process conditions while simultaneously measuring the temperature of any area within the field of view.

Both the full HD video image and temperature data are clearly displayed on a VGA monitor for easy reference. For demanding environments, an additional water cooling option is available.

M556™ HR High Temperature Spyrometer® Camera
This patented system combines **high-definition optics**, color video with a scanning pyrometer*, allowing operators to monitor process conditions while simultaneously measuring the temperature of any area within the field of view.

Both the high resolution video image and temperature data are clearly displayed on a VGA monitor for easy reference. For demanding environments, an additional water cooling option is available.

M555™ High Temperature Spyrometer® Camera
This patented system combines a color video camera with a scanning pyrometer*, allowing operators to monitor process conditions while simultaneously measuring the temperature of any area within the field of view.

Both the video image and temperature data are clearly displayed on a VGA monitor for easy reference. For demanding environments, an additional water cooling option is available.

This camera is only compatible with the M215 S™ processor.

PROCESSORS

M220 S

M215 S™ & M220 S™ Spyrometer Processors
These processors support one or two Mirion cameras, delivering both live imagery and precise temperature measurements. They can display up to 32 overlaid temperature measurement zones per camera, with each zone fully adjustable for size and measurement mode.

Processors and accessories are sold separately to their respective camera(s). M555, M556 and M557 spyrometer cameras require a processor; for other cameras, the recommended processor is optional. For M556 and M557 camera systems, a software update is required to work with the M215 S Processor.

*USA Patent 6,667,761

Infrared Cameras

Designed to provide superior pictures with detailed thermal mapping, Mirion infrared cameras and processing systems enhance the ability to monitor and control process conditions. **These cameras are most applicable to chemical recovery and fluidized bed boilers and thermal power and other auxiliary boilers.**

B&W CAMERAS

M560™ Bedbug IR Camera
This black and white infrared camera combines mid-wave imaging core technology with an optional calibrated optical pyrometer, and optimizes the clarity of monitoring slag build-up, smeltbed profile, or product distribution and burn efficiency.

M540™ Near IR Viewing Camera System
This black and white infrared camera enables customization of electronics, lenses, filters and other options. It is able to penetrate gaseous and fine particulate interferences. The camera is available with straight, oblique, or right-angle lens tube configurations, and an additional water cooling option is available for challenging environments.

PROCESSOR

M610 S™ Calico 3 Temperature Measurement System (Optional)
This system supports one or two Mirion cameras and provides precise temperature measurement across the screen. It allows for up to 32 fully customizable 'free form' zones across the screen.

Accessories

All Mirion high-temperature cameras are compatible with the following retract and air filter accessories.

M357™ Rodless Retract
Retracts the camera from the most severe heat where the plant supply of air pressure, water or electricity has been interrupted. Includes ruggedized safety air reservoir and additional options.

M408™ Air Filter System
Provides clean air in industrial environments where there is a higher contaminate content level and where local control and regulation of the air supply to the camera is required.

High-Temperature Imaging Across Industries

High-temperature industrial cameras from Mirion have been helping operators and engineers optimize and remotely view kilns, boilers, furnaces and glass tanks since the 1980s.

APPLICATIONS

- ✔ Cement, Lime and other Rotary Kilns
- ✔ Clinker and other Grate Coolers
- ✔ Chemical Recovery and Fluidized Bed Boilers
- ✔ Steel and Aluminum Furnaces
- ✔ Thermal Power and other Auxiliary Boilers
- ✔ Waste to Energy Plants
- ✔ And more

Each application category comprises several individual types of application/operations. Certain products are suitable only for some applications/operations within the respective category.

Knowing exactly what's going on in your kiln or furnace helps you reduce fuel costs and extend plant operations. Our high-temperature imaging systems visualize measurement data directly onto your live footage, giving you valuable insight in real-time and taking thermal sensing capabilities beyond traditional methods.

MIRION

Protect What's Next™

MIRION
TECHNOLOGIES

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