High Temperature Cameras for Industrial Applications

Mirion At Your Service

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. Our systems combine temperature measurement, real-time video, and image processing into an enhanced video experience showing measurement information overlaid onto a live video image.

| Cement | Pulp and Paper | Steel and Aluminium Furnaces | Waste-To-Energy Plants | Thermal Power and Auxiliary Boilers | Other High Temp Applications |

MIRION IS A GLOBAL LEADER IN RADIATION SAFETY, SCIENCE AND MEDICINE.

We offer a broad portfolio of products and services that protects people and the planet from the harmful effects of ionizing radiation and accelerates innovation across a diversity of end markets.

MIRION

HIGH TEMPERATURE CAMERAS FOR INDUSTRIAL APPLICATIONS

Processors

M721™ Remote Auto Iris Controller (OPTIONAL)	**M610 S™ Calico™ 3 Dual Infrared Imaging Processor (OPTIONAL)**	**M215 S™ Spyrometer® 4 Dual Imaging IR Pyrometer Processor (REQUIRED)**
Allows adjustments to be made to the M530 camera auto-iris from the control room via coax cable, retaining flame details and burner viewing quality.	Supports one or two Mirion cameras, providing precise temperature measurement of up to 32 'free form' zones across the screen.	Supports one or two Mirion cameras, providing both imagery and precise temperature measurement of up to 32 overlaid temperature measurement zones per camera, fully adjustable for size and measurement mode.

Accessories

M356™ Retract	**M408™ Two Stage Air Filter**
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.	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.

Applications

Cement, Lime and other Rotary Kilns · Clinker and other Grate Coolers · Chemical Recovery and Fluidized Bed Boilers · Steel and Aluminium Furnaces · Thermal Power and other Auxiliary Boilers · Waste to Energy Plants · Other

Cameras

Camera	Description	M721	M610	M215	M356	M408	Cement, Lime and other Rotary Kilns	Clinker and other Grate Coolers	Chemical Recovery and Fluidized Bed Boilers	Steel and Aluminium Furnaces	Thermal Power and other Auxiliary Boilers	Waste to Energy Plants	Other
M555™ High Temperature Spyrometer® Camera	Patented combination of color video camera and scanning pyrometer*; monitors process conditions while measuring the temperature of any area in the field of view. Video image and temperature information are displayed on a VGA monitor. Additional water cooling available.			✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
M535™ Lynx® High Temperature Color Camera Series	Visible Light Color Camera; enables customization of electronics, lenses, filters and other options. Straight or oblique lens tube options available. Includes temperature sensors.				✔	✔	✔	✔	✔	✔	✔	✔	✔
M530™ Lynx® High Temperature Color Camera Series	Visible Light Color Camera; enables customization of electronics, lenses, filters and other options. Straight, oblique, or right angle lens tube options available. Compatible with M721 Iris Controller. Additional water cooling available.	✔			✔	✔	✔	✔	✔	✔	✔	✔	✔
M540™ Lynx® High Temperature Black and White IR Camera Series	Near IR Black and White Camera; enables customization of electronics, lenses, filters and other options. Able to penetrate gaseous and fine particulate interferences. Straight, oblique, or right angle lens tube options available. Additional water cooling available.		✔		✔	✔				✔	✔	✔	
M560™ High Temperature Solid State IR Camera	Combines mid-wave imaging core technology with an optional calibrated optical pyrometer. Optimizes the clarity of monitoring slag build-up, smeltbed profile, or product distribution and burn efficiency.		✔		✔	✔				✔		✔	

*USA Patent 6,667,761

Processors and accessories sold separately to their respective camera(s).
M555 Spyrometer is our only camera for which a processor is required; for other cameras the recommended processor is optional.

Each application category (i.e. 'Cement, Lime and other Rotary Kilns') comprises several individual types of application/operations.
Certain products are suitable only for some applications/operations within their respective category.

Protect What's Next™

MIRION
TECHNOLOGIES