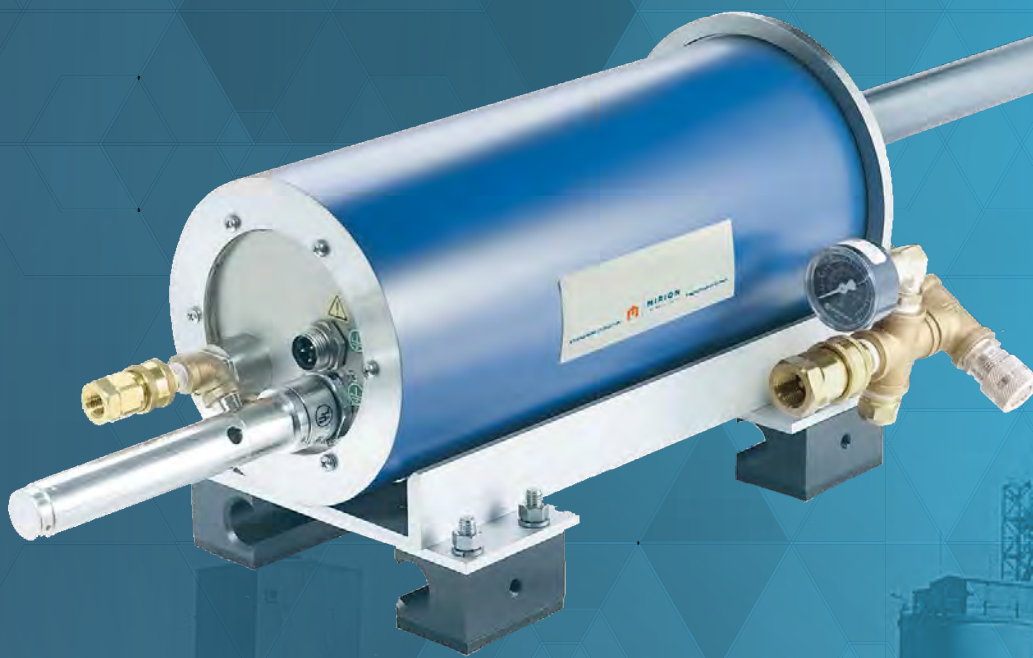




HIGH TEMPERATURE CAMERAS FOR INDUSTRIAL APPLICATIONS



MIRION
TECHNOLOGIES

CAMERAS		M530™ Lynx Color Camera	Visible Light Color Camera; enables the flexibility to customize electronics, lenses, filters and other options to provide continuous monitoring. Straight, oblique, or right angle lens tube options available. Compatible with M721 Iris Controller. Additional water cooling available.
		M535™ Lynx Viewing Camera System	Visible Light Color Camera; enables the flexibility to customize electronics, lenses, filters and other options to provide continuous monitoring. Straight or oblique lens tube options available. Includes temperature sensors.
		M540™ Lynx Near IR Viewing Camera System	Near IR Black and White Camera with flexibility to customize 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.
		M555™ Spyrometer® Temperature Measurement	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.
		M560™ 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.
PROCESSORS		M215 S™ Spyrometer® Processor	Supports one or two Mirion cameras, giving the ability to view processes from two locations. Application software provides up to 32 overlaid temperature measurement zones per camera, fully adjustable for size and measurement mode.
		M610 S™ Calico 3 Temperature Measurement System	Supports one or two Mirion cameras, providing precise temperature measurement across the screen, eliminating erroneous measurements at the edge of the image. Measures up to 32 'free form' temperature measurement zones.
		M704™ Viewing Pyrometer	Temperature data is multiplexed with the video signal and sent to the M704 unit. It separates them and displays the video on a monitor with a locator square on the screen, colorizing the image and providing contrast expansion.
		M721™ Auto Iris Controller	Allows adjustments to be made to the M530 camera auto-iris from the control room, retaining flame details and burner viewing quality. Connection is made via the same coax cable that is normally run from the camera to the control room.
COMMON ACCESSORIES		M356™ Retract	Retracts the camera from the most severe heat, protecting it from serious damage 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 air contaminate content level and where local control and regulation of the air supply to the camera is required.

*USA Patent 6,667,761

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 Technologies is a leading provider of innovative products, systems and services related to the measurement, detection and monitoring of radiation.

From the largest military force, nuclear-related and specialized industries, to the small size medical office next door, Mirion has the strength and presence to serve our customers. Our Customer Care Teams are committed to providing outstanding support and delivering excellence in every interaction.

				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		M530™ Lynx Color Camera	 Visible Light Color Camera; enables the flexibility to customize electronics, lenses, filters and other options to provide continuous monitoring. Straight, oblique, or right angle lens tube options available. Compatible with M721 Iris Controller. Additional water cooling available.	✓	✓	✓	✓	✓	✓	✓
		M535™ Lynx Viewing Camera System	 Visible Light Color Camera; enables the flexibility to customize electronics, lenses, filters and other options to provide continuous monitoring. Straight or oblique lens tube options available. Includes temperature sensors.	✓	✓	✓	✓	✓	✓	✓
		M540™ Lynx Near IR Viewing Camera System	 Near IR Black and White Camera with flexibility to customize 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.			✓		✓		
		M555™ Spyrometer® Temperature Measurement	 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.	✓	✓	✓	✓	✓	✓	✓
		M560™ 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.			✓		✓		
PROCESSORS		M215 S™ Spyrometer® Processor	Supports one or two Mirion cameras, giving the ability to view processes from two locations. Application software provides up to 32 overlaid temperature measurement zones per camera, fully adjustable for size and measurement mode.	✓	✓	✓	✓	✓	✓	✓
		M610 S™ Calico 3 Temperature Measurement System	Supports one or two Mirion cameras, providing precise temperature measurement across the screen, eliminating erroneous measurements at the edge of the image. Measures up to 32 ‘free form’ temperature measurement zones.			✓		✓		
		M704™ Viewing Pyrometer	Temperature data is multiplexed with the video signal and sent to the M704 unit. It separates them and displays the video on a monitor with a locator square on the screen, colorizing the image and providing contrast expansion.			✓		✓		
		M721™ Auto Iris Controller	Allows adjustments to be made to the M530 camera auto-iris from the control room, retaining flame details and burner viewing quality. Connection is made via the same coax cable that is normally run from the camera to the control room.	✓	✓	✓	✓	✓	✓	✓
COMMON ACCESSORIES		M356™ Retract	Retracts the camera from the most severe heat, protecting it from serious damage 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 air contaminate content level and where local control and regulation of the air supply to the camera is required.	✓	✓	✓	✓	✓	✓	✓

*USA Patent 6,667,761

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.

M530



M535



M540



M555



M560



M215 S



M610 S



M704



M721



M356



M408





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