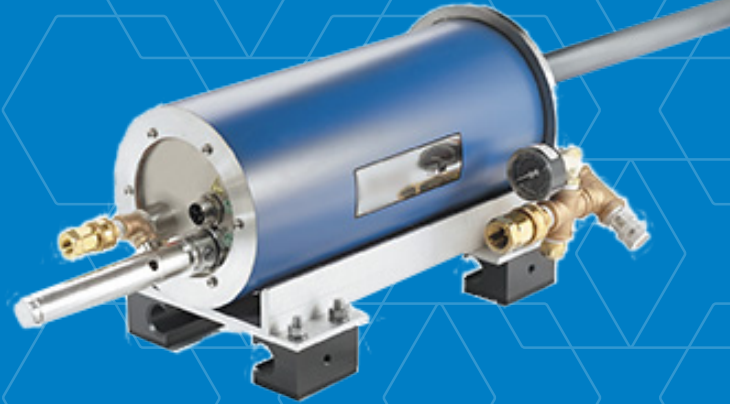




HIGH TEMPERATURE CAMERA

M560™

2ND GENERATION High Temperature Solid State IR Camera



The 2nd Generation IST-Quadtek High Temperature Camera from Mirion combines next generation mid-wave imaging core technology with an optional calibrated optical pyrometer to provide superior pictures with detailed thermal mapping. Whether monitoring slag build-up in utility power boilers, smeltbed profile in recovery boilers, or product distribution and burn efficiency in industrial process furnaces, the M560 optimizes the clarity required to operate in all applications.

Through careful optical and filtering design, the M560 provides:

- High contrast/enhanced images
- Clearly focused across an even greater distance
- Ability to see critical details without interference

FEATURES

- ✓ Optional optical pyrometer to provide accurate thermal mapping
- ✓ Two optional imaging cores to support use in more countries around the world
- ✓ Solid state IR sensor guarantees: no picture degradation, lower maintenance costs, longer life
- ✓ Wide range of lens tube lengths; purchase only what you need with the greatest application flexibility for refractory thickness
- ✓ Small front opening and improved sealing reduces the air usage and keeps the lens cleaner
- ✓ Selectable field of view options allows you to see what's required: medium, wide, or superwide
- ✓ Sapphire front window is more durable and scratch resistant than other materials to enhance the longevity of your investment

M560 2ND GENERATION HIGH TEMPERATURE SOLID STATE IR CAMERA

SPECIFICATIONS AND PERFORMANCE

CAMERA

- Power Requirements: 100/115/230 VAC, 50/60 Hz, 24 Watts
- Video Output: Monochrome EIA Standard RS-170, 525 lines or CCIR, 625 lines, composite video output and sync; 1.0 to 1.4V p-p

LENS

- Construction: Air-cooled 304 stainless steel outer shroud. Sapphire window for maximum environmental protection
- Lengths:
 - /L24: L = 550mm/21.7"
 - /L36: L = 854mm/33.7"
 - /L48: L = 1160mm/45.7"
 - /L60: L = 1465mm/57.7"
 - /L72: L = 1769mm/69.7"
- Field of View:
 - Medium: 45° horizontal
 - Wide: 70° horizontal
 - Superwide: 90° horizontal
- Diameter: 38 mm (1.5")
- Cooling Requirements: Instrument-quality air*, 7-10 dm³/sec @ 35-70 kPa (15-20 SCFM @ 5-10 psig typical)
*Air quality to ISO 8573-1, Class 1•7•2

TEMPERATURE MEASUREMENT

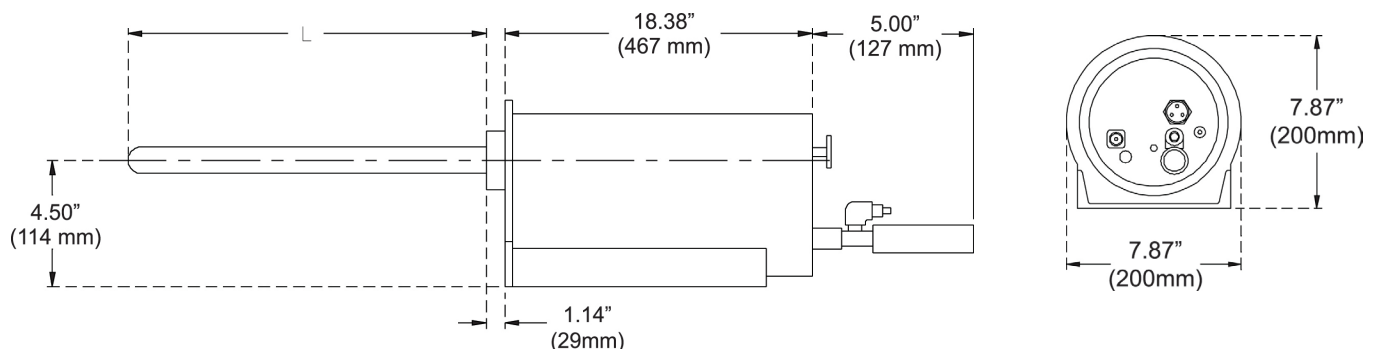
- Optical Pyrometer: Integrated within the lens optical path; factory calibrated to provide >99% temperature accuracy over the optimized temperature range

ENCLOSURE

- Construction: Corrosion-resistant nylon cover; anodized aluminum body; NEMA 4, dust and waterproof
- Cooling Type: Vortex cooled; instrument-quality air; 13 dm³/sec @ 690kPa (25 SCFM @ 100 psig typical) optional
- Ambient Environment: 0° to 60 °C (32° to 140 °F) operating temperature

MECHANICAL

- Focus Adjustment: Optical focus adjustment screw located on back of enclosure
- Video Output Jack: Female PL-259 "UHF" type
- Power Input Jack: Removable waterproof miniplug (JOY type TP, female 3-conductor; mating power cord provided)
- Enclosure Cooling Input: 1/4" brass quick-disconnect nipple; mating coupler (Snaptite BVHC4-4F) provided
- Lens Cooling Input: 1/2" brass quick-disconnect nipple; mating coupler (Snaptite BVHC8-8F) provided



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