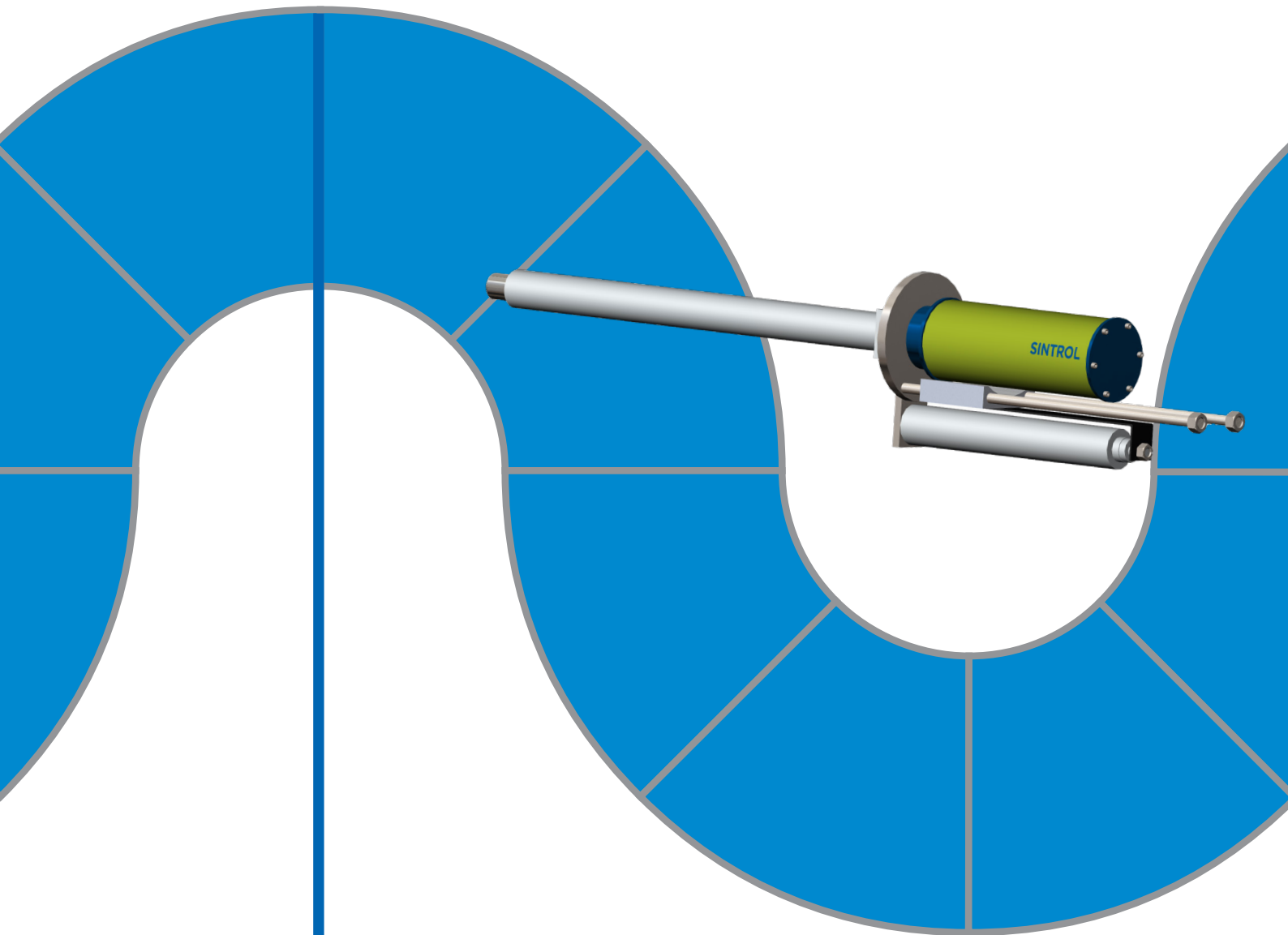


# SINTROL VULCAN12MP

## High Temperature Imaging System



VULCAN12MP - For Recovery Boilers

Pyro-Viper-HD -Software

# Sintrol Vulcan12MP

## Advanced Imaging System for Recovery Boilers

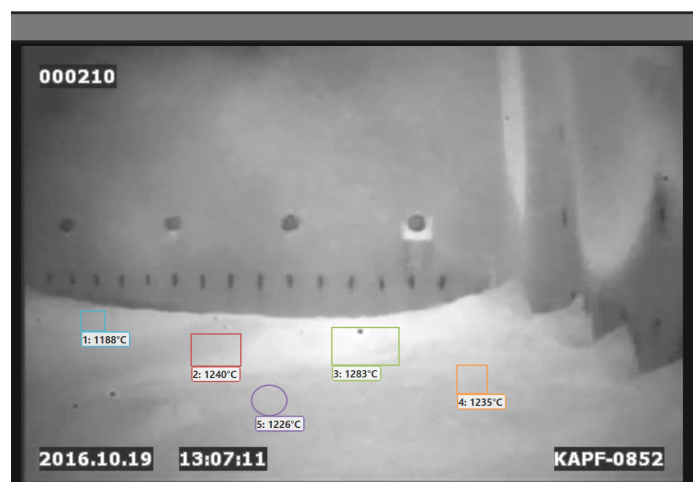
- high temperature combustion control and monitoring for recovery boilers
- Each system utilizes a high-tech combination of electronics, optics and protection to produce high quality, reliable video and temperature data of boiler furnace
- The Vulcan12MP's wavelength optimized infrared optical system is designed to see through the smoke, ash and haze produced within even the most volatile boilers and furnaces
- Typically used in conjunction with Pyro-Viper-HD -software

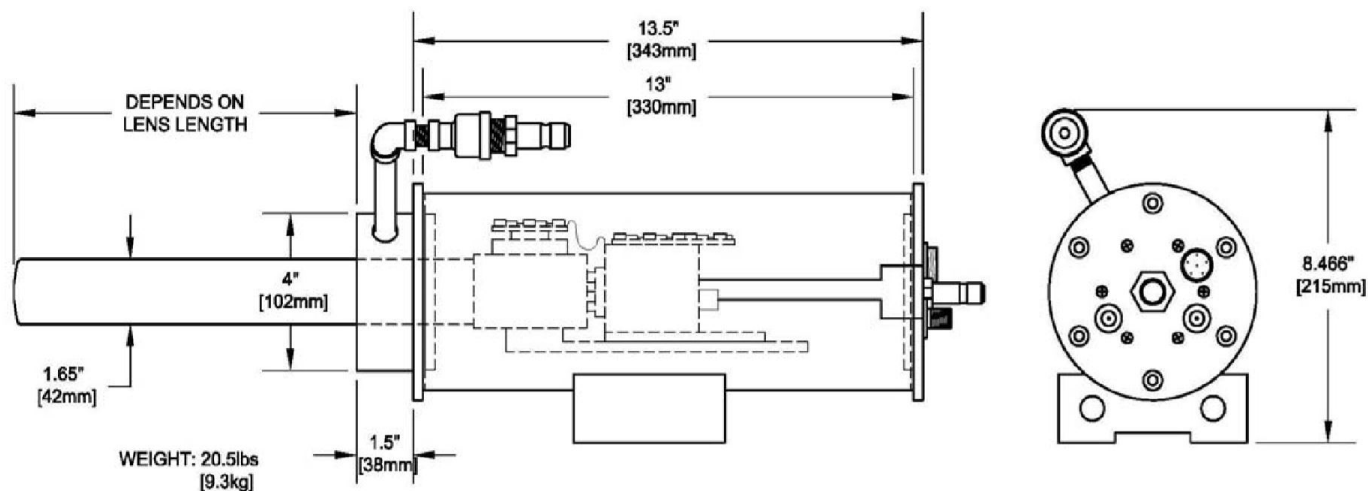
### System Features

- Quick-change system design for easy installation and maintenance
- Proprietary Bright Image Optical System for sharp images
- Modular configuration for easy option add-ons and upgrades
- Compact, easy to handle design
- Indestructible STEELON™ housings to protect electronic components
- Advanced lens design for low air consumption
- Wide field of view and easy assembly/disassembly
- High performance, ruggedized imagers for increased durability

### System Options

- Radiometric camera with Pyro-Viper™-HD image processing and analysis software for temperature measurement, image processing and data management
- Automatic retract assemblies
- Portable system configuration and cart assembly for diagnostics and testing
- Air filtration systems
- Digital recorders, monitors, switchers and other video equipment
- Fiber optic, coax, Ethernet, or wireless video/data transmission
- Custom options for special needs





Product Name		Sintrol Vulcan12MP
System Includes	<ul style="list-style-type: none"> <li>High resolution, solid state thermal imaging camera</li> <li>Air cooled stainless steel furnace lens with Bright Image Optical System™</li> <li>Camera control software (Includes basic camera controls and image colorization)</li> <li>High temperature camera housing (IP66) with manual slide trac mount (tripod base for portable system)</li> <li>Quick change back plate</li> <li>12 VDC power supply with NEMA 4X Enclosure and 4.5 m (15 ft.) power cord</li> <li>Regulator assembly with 2 ea. 4.5 m (15') quick disconnect air lines</li> <li>Factory assembled, pre-adjusted and ready for installation</li> </ul>	
Camera		
Sensor	Solid state IR	
Video	NTSC (optional PAL or Ethernet)	
Power	12 VDC with 100 - 240 VAC adapter - 50/60 Hz	
Available Lenses		
Overall length	<ul style="list-style-type: none"> <li>30, 47, 61, 91, 122, 152, 165 cm (12", 18", 24", 36", 48", 60", 65") Straight Ahead Line of Sight</li> <li>47, 61, 91, 122 cm (18", 24", 36", 48") Obtuse &amp; Right Angle Line of Sight</li> </ul>	
Diameter	42 mm (1.650 in)	
Field of view	See lens selection guide	
Line of sight	Straight ahead (standard), Obtuse and Right Angle (optional)	
Temperature	Scenes being monitored to 1927° C (3500° F)	
Air purge	0.10 MPa (1 bar) @ 20 scfm (34 m³/Hr) - straight ahead line of sight lens Instrument quality air only T<100°F (40°C)	
Enclosure		
Material	PHASE III = STEELON™ (stainless steel over high temperature synthetic)	
Temperature	Ambient temperatures to 289° C (550° F)	
Air purge	0.02 MPa (0,2 bar) @ 3 scfm (5.1 m³/H)	
Instrument quality air only T<100°F (40°C)		
Options and Accessories Include	<ul style="list-style-type: none"> <li>SAM0007-XX or SAM0012-XX wallbox mount</li> <li>SAM0009 or SAM0028 air filtration system</li> <li>MSS0010C automatic retract</li> <li>Video recording and Video monitor</li> <li>Coaxial cable, fiber optic, Ethernet, transmission system</li> <li>Automatic Port Deslagger</li> <li>PYROVIPER™ thermal imaging software</li> <li>Quickchange Lens</li> </ul>	



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