

**SF12CS PIII – THE MONGOOSE SERIES  
HIGH TEMPERATURE IMAGING SYSTEM  
SPECIFICATIONS**

**INDUSTRIAL SYSTEM INCLUDES:**

- High resolution color CCD camera
- Air-cooled 310 stainless-steel furnace lens with Bright Image Optical System™ and G2 quick change design
- High temperature 310 stainless steel camera housing (IP66/NEMA 4X) with slide trac mount (tripod base for portable system)
- Quick change back plate
- 12 VDC power supply with IP66/NEMA 4X enclosure and 15 ft. (4.6 m) cord
- Regulator assembly with 1 ea. 15 ft. (4.6 m) quick disconnect air line
- External mechanical focus access
- Factory assembled, pre-adjusted and ready for installation

**CAMERA:**

Sensor: Color CCD  
Resolution: 480 lines horizontal analog or High-Resolution HD Digital  
AGC: On/off selectable  
SNR: Greater than 50dB  
Video: NTSC, PAL, and High-Resolution HD Digital formats available  
Power: 12 VDC with 100-240 VAC adapter - 50/60 Hz

**AVAILABLE LENSES:**

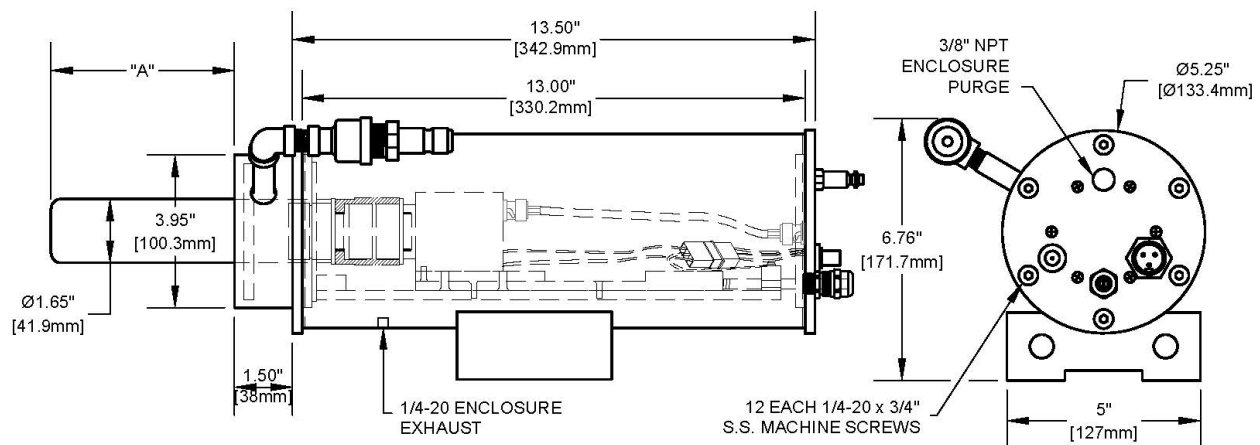
Overall length: 12", 18", 24", 28", 36", 48", 65" (30, 45, 61, 71, 91, 122, 165 cm) Straight Ahead Line of Sight  
24", 36", 48" (61, 91, 122 cm) Obtuse and Right-Angle Line of Sight  
Diameter: 1.650" (42 mm)  
Field of view: See Lens Selection Guide (up to 120° D available)  
Line of Sight: Straight ahead (standard), Obtuse and Right (also available)  
Temperature: Scenes being monitored to 3500° F (1927° C)  
Air Purge: 15-25 psig @ 20-40 scfm - straight ahead line of sight lens (**application dependent**)  
**Instrument quality air only T<100°F (40°C)**

**ENCLOSURE:**

Material: PHASE III = **STEELON™** (310 stainless steel with 10mm high temperature synthetic insulation)  
Temperature: Ambient temperatures to 550° F [289° C] (with optional accessories)  
Air purge: 3-10 psig @ 3-10 scfm (application dependent)  
**Instrument quality air only T<100°F (40°C)**

**OPTIONS AND ACCESSORIES INCLUDE:**

- SAM0007-XX or SAM0012-XX Wallbox
- MSS0010C Automatic Retract
- Video Monitor
- Automatic Port Deslagger
- SAM0009 or SAM0028 Air Filtration System
- Video Recording
- Coaxial Cable, Fiber Optic, or Ethernet Transmission System
- Quick-change Lens



**SYN-FAB® INC.**

**HIGH TEMPERATURE & INDUSTRIAL PROCESS MONITORING SYSTEMS**

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