SF12CS-HD PIII – THE MONGOOSE SERIES
HIGH TEMPERATURE IMAGING SYSTEM
SPECIFICATIONS

INDUSTRIAL SYSTEM INCLUDES:

- High-Definition color camera
- Air-cooled 310 stainless-steel furnace lens with Bright Image Optical System™ and G2 quick change design
- High temperature 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 2 ea. 15 ft. (4.6 m) quick disconnect air lines
- External mechanical focus access
- Factory assembled, pre-adjusted and ready for installation

CAMERA:

Sensor:	High-Definition Color CMOS
Resolution:	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:

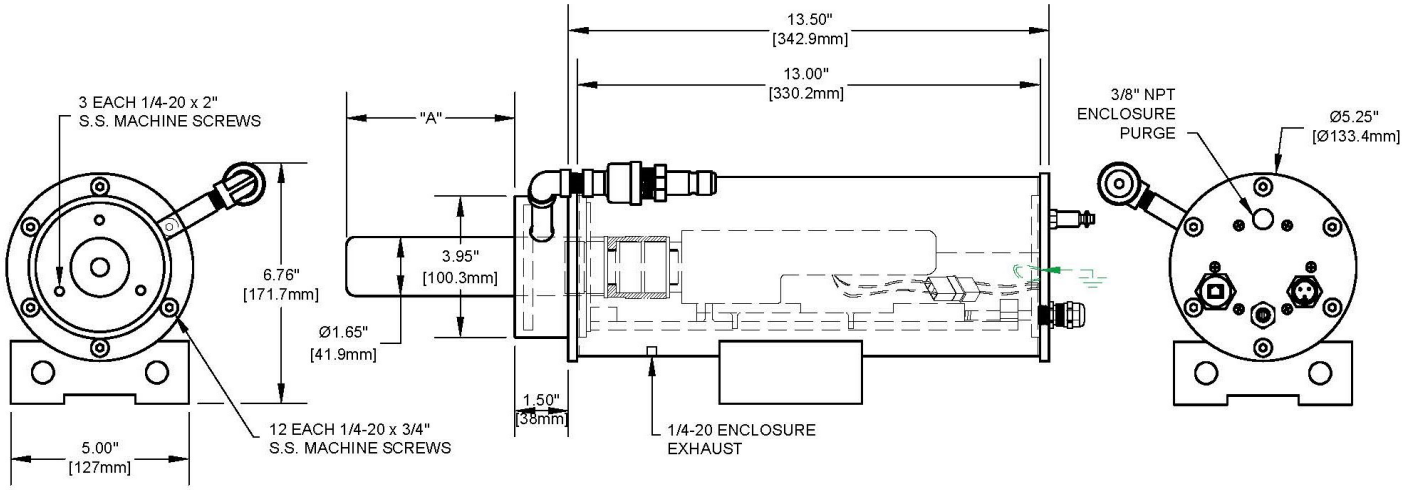
Overall length:	12”, 18”, 24”, 28”, 36”, 48”, 65” (30, 45, 61, 71, 91, 122, 165 cm) Straight Ahead Line of Sight 24”, 36”, 48” (61, 91, 122 cm) Obtuse and Right-Angle Line of Sight
Diameter:	1.650" (42 mm)
Field of view:	See Lens Selection Guide (up to 120° D available)
Line of Sight:	Straight ahead (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 PROCESS MONITORING SYSTEMS

7863 Schillinger Park Road • Mobile, Alabama • 36608 • USA
Phone (251) 633-4942 • Fax (251) 633-2514 • www.synfab.com