

SF12C-2C-HD – THE PYRO-VIPER DUAL WAVELENGTH IMAGING SYSTEM SPECIFICATIONS

STANDARD SYSTEM INCLUDES:

- High resolution CMOS sensor with integrated 2D radiometer for dual wavelength pyrometry
- Air-cooled stainless-steel furnace lens (wavelength optimized)
- Quick change lens system
- High temperature camera housing (IP66/NEMA 4X) with slide trac mount
- Quick change back plate
- 12 VDC power supplies with IP66/NEMA 4X enclosure and 15 ft. (4.6 m) cords
- Regulator assembly with 2 ea. 15' (4.6 m) quick disconnect air lines
- Factory assembled, pre-adjusted and ready for installation

IMAGING SYSTEM:

	Primary	Secondary
Sensor:	CMOS analog or High-Resolution HD	Solid State IR (.8 to 1.3 μ m)
Resolution:	768 x 494	1280 x 486
SNR:	Analog/High-Resolution HD	
Power:	greater than 50 dB	greater than 50 dB
	12 VDC with 100-240 VAC adapter – 50/60Hz	

AVAILABLE LENSES:

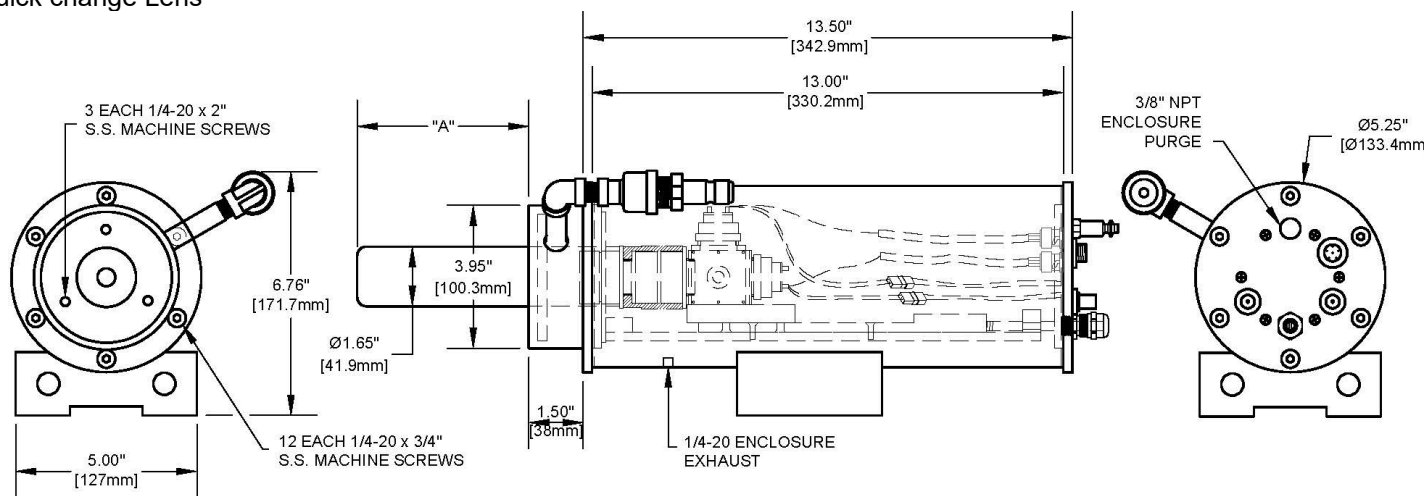
Overall length:	24", 36", 48" (61, 91, 122cm) Straight Ahead Line of Sight Lens 24", 36", 48" (61, 91, 122cm) Obtuse and Right-Angle Line of Sight
Diameter:	1.650" (42 mm)
Field of view:	See Lens Selection Guide
Line of Sight:	Straight ahead (standard), Obtuse and Right Angle (optional)
Temperature:	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™ (stainless steel over high temperature synthetic)
Temperature:	Ambient temperatures to 550° F (289° C) (with optional accessories)
Air purge:	3-10 psig @ 3-10 scfm Instrument quality air only T<100°F (40°C)

ACCESSORIES INCLUDE:

- SAM0007 or SAM0012 wallbox mount
- MSS0010C automatic retract
- SAM0028 or SAM0009 air filtration system
- **PYROVIPER™** thermal imaging software
- Fiber optic signal and data transmission
- Quick change Lens
- JBPV-XXXX junction & control box
- MSS0034 automatic port deslagger
- Video monitor
- Coaxial cable and connector kits
- Automatic Port Deslagger



SYN-FAB's SF12 series infrared imaging systems are subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited.



7863 SCHILLINGER PARK ROAD • MOBILE, ALABAMA 36608 • USA
PH: (251) 633-4942 • FX: (251) 633-2514 • E: info@synfab.com

05/2025