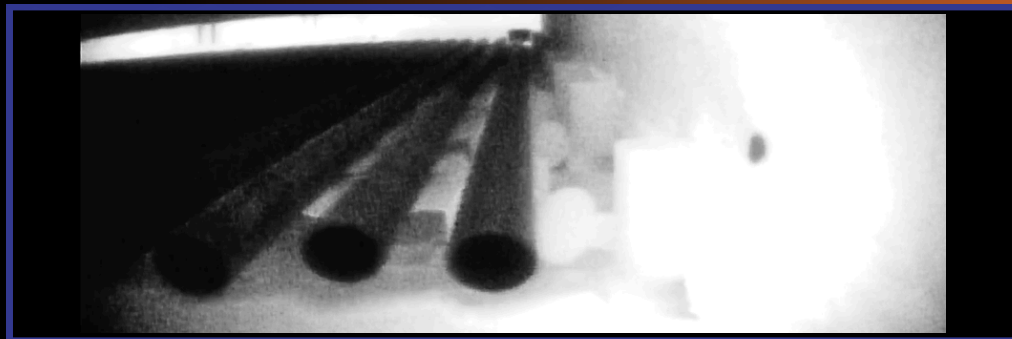


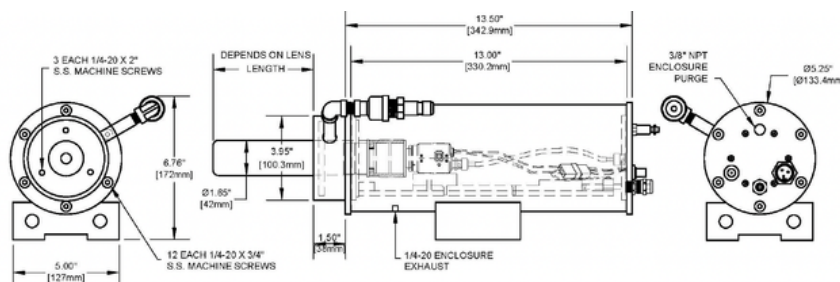
SF12N-SP PIII - Owning the Darkness



THE PREDATOR[™] SF12N-SP PIII by



The **Predator[™] SF12N-SP PIII** is the newest addition to the **SYN-FAB[®]** family of high-performance thermal imaging solutions. Engineered specifically for the steel industry, the Predator is designed to operate in furnace environments where product temperatures can vary dramatically between entry and exit points. Unlike conventional systems, the Predator can image relatively cool mandrels below **250°F (121°C)** while also monitoring furnace entrance and exit zones operating at temperatures up to **2300°F (1260°C)**. This wide dynamic range allows a single camera to track cold pipe entering the furnace and accurately detect subtle temperature differences in heated material at the discharge end.



SPECIFICATIONS:

Sensor	Solid State Infrared
Resolution	Analog or High-Resolution Digital
Frame Rate	30
Power	12 VDC
Lens Length	12-48"
Field of View	65,90,100"

Angles of Viewing	45°, 90°, Straight
Cooling	20scfm @20psig
Signal Transmission	Coax, Fiber optic, Ethernet, Wireless
Max Ambient Temp	550° with optional accessories
Measuring Temps	250-2300° F with Pyro-Viper software
Software	Field upgradable

BENEFITS:

- Provides continuous monitoring of steel movement through furnaces for rapid product identification and tracking.
- Minimizes downtime by enabling operators to quickly detect process issues.
- Helps ensure complete and uniform heating of upturns, bells, and other critical components through real-time infrared monitoring.
- Delivers consistent thermal imaging across a broad range of operating temperatures
- Improves process visibility, quality control, and production efficiency.

OPTIONS:

- Lens lengths from 12 in. to 48 in.
- Automatic retract assembly
- Fiber optic, Coaxial, Ethernet, Wireless



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