

SF12CS HIGH TEMPERATURE IMAGING SYSTEMS

FOR TRUE COLOR MONITORING OF
BOILERS - KILNS - FURNACES - INCINERATORS



Distributed By:



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The **SYN-FAB**® SF12CS series imaging system represents the state-of-the-art in high temperature process monitoring. Each system utilizes a high-tech combination of electronics, optics and protection to produce high quality, reliable video of your process. The SF12CS's **Bright Image Optical System**™ is designed to see through the smoke, ash and haze produced within high temperature boilers and furnaces.

SF12CS - SYSTEM FEATURES

- ▶ Quick-change lens 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 synthetic (SF12CS) or **STEELON**™ (SF12CS PIII) housings to protect (IP66) electronic components
- ▶ Advanced lens design for low air consumption, various fields of view and easy assembly/disassembly
- ▶ High performance, ruggedized cameras for increased durability (NTSC, PAL, Ethernet cameras available)
- ▶ Loaner systems and 24 hour service for emergencies

SF12CS - SYSTEM OPTIONS

- ▶ Balanced draft and positive pressure wall boxes for permanent/semi-permanent installation
- ▶ Lens lengths available from 12" to 65" with straight ahead, right angle or 45° obtuse line of sight
- ▶ 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
- ▶ Custom options, including Class I Div 2 compliance



SF12CS - BENEFITS TO OPERATORS

- ▶ Helps maximize efficiency and capacity by showing fuel and air flow in the burning zone
- ▶ Reduced emissions by improving performance
- ▶ Increased safety margins by helping detect tube leaks and other problems before major damage occurs
- ▶ Helps reduce slag, clinker and ash build-up resulting in fewer shutdowns and lower maintenance cost
- ▶ Aiding start-ups and troubleshooting burner malfunctions
- ▶ Helps in shaping and positioning fuel beds

SYN-FAB® INC.

HIGH TEMPERATURE & INDUSTRIAL PROCESS MONITORING SYSTEMS

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