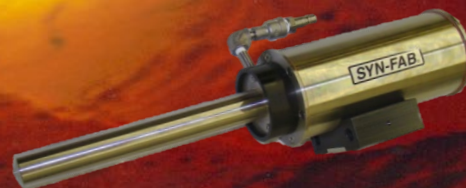


# SF12C-2C-HD HIGH TEMPERATURE IMAGING SYSTEMS

## MULTIPLE WAVELENGTH IMAGING PYROMETERS FOR KILNS



**SYN-FAB**® SF12C-2C-HD systems represent the state-of-the-art in advanced high temperature process monitoring. This is a specialized high temperature imaging system that allows multiple cameras/detectors operating in different spectral wavebands to share a common furnace lens. The SF12C-2C-HD is the industry's first and only system allowing utilization of a broad spectrum from visible light to mid-wave infrared on a common optical path - this technology is critical for waveband optimization of each system's optics. The SF12C-2C-HD is typically used in conjunction with **Pyro-Viper™-HD** software to give operators the ability to visually observe process conditions and obtain non-contact process temperature data.

### SF12C-2C-HD - SYSTEM FEATURES

► Compact, quick-change design for easy handling, installation and maintenance ► Proprietary **Bright Image Optical System** for sharp images ► Wavelength optimized electro/optical system ► Indestructible synthetic or **STEELON™** 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, & High-Resolution formats available) ► Loaner systems and 24 hour service for emergencies

### SF12C-2C-HD - SYSTEM OPTIONS

► **Radiometric camera** with **Pyro-Viper™-HD** image processing and analysis software for temperature measurement, image processing and data management ► 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

### SF12C-2C-HD - BENEFITS TO OPERATORS

► Helps maximize efficiency and capacity by showing fuel material and air flow in the burning zone ► Reduced emissions by improving performance ► Increased safety margins by helping problems before major damage occurs ► Helps reduce build-up resulting in fewer shutdowns and lower maintenance cost ► Aiding start-ups and troubleshooting burner malfunctions ► Helps in shaping and positioning clinker ► Provides temperature data and thermal profile of kiln interior when used with **Pyro-Viper™-HD** software

**SYN-FAB® INC.**

#### HIGH TEMPERATURE & INDUSTRIAL PROCESS MONITORING SYSTEMS

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