

SF11 HIGH TEMPERATURE CCTV SYSTEM

FOR

BOILERS ▪ KILNS ▪ FURNACES ▪ INCINERATORS



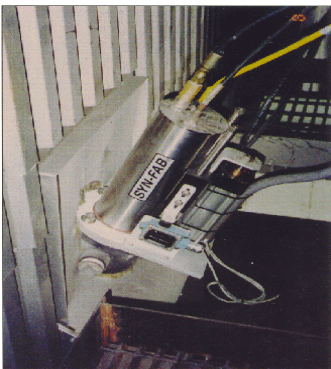
SYN-FAB's SF11 series imaging systems utilize the same high temperature enclosures and cameras as our SF12 series. Each SF11 series system is fitted with a 4" or 12" furnace lens that has an adjustable field of view. The SF11C is the most popular configuration in the SF11 series. The SF11C is fitted with a color camera and is typically used to monitor the grates in power boilers. The SF11SP is a special application system that is typically used to monitor carryover in upper furnace areas.

SF11 HIGH TEMPERATURE CCTV SYSTEMS FEATURES

- ▶ Patented **Bright Image Optical System** for sharp images
- ▶ Quickchange construction for easy installation and maintenance
- ▶ Modular design for easy option add-ons and upgrades
- ▶ Easy to handle, compact design
- ▶ Loaner systems and 24 hour service for emergencies
- ▶ Indestructible **STEELON™** housings to protect electronic components
- ▶ Advanced lens design for low air consumption, wider field of view and easy assembly/disassembly
- ▶ High performance, ruggedized imagers for increased durability.

SYSTEM OPTIONS

- ▶ Balanced draft and positive pressure wallboxes for permanent/semi-permanent installation
- ▶ 4" or 12" lens lengths with straight ahead line of sight
- ▶ Automatic retract assemblies
- ▶ Image processing and analysis equipment for temperature measurement and carryover/particulate measurement
- ▶ Portable cart assembly for diagnostics and testing
- ▶ Air filtration systems
- ▶ Digital recorders, monitors, switchers and other video equipment
- ▶ Fiber optic and wireless video/data transmission
- ▶ Digital output and Network cameras available for most applications
- ▶ Remote or integral camera electronics and controls
- ▶ Custom options for special needs.



BENEFITS TO OPERATORS

- ▶ Maximized 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 startups and troubleshooting burner malfunctions
- ▶ Helps in shaping and positioning fuel beds

SYN-FAB® INC.

HIGH TEMPERATURE & INDUSTRIAL PROCESS MONITORING SYSTEMS

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