

# SPECTRUM™ TG



IMAGE FROM SF12SP KILN MONITORING SYSTEM  
DISPLAYED ON BASIC MONOCHROME MONITOR  
WITHOUT SPECTRUM™ TG



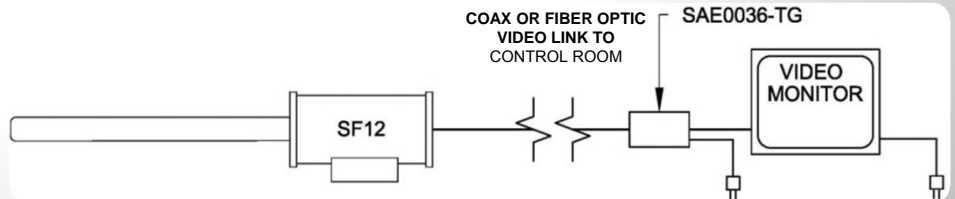
IMAGE FROM SF12SP KILN MONITORING SYSTEM  
DISPLAYED ON MONITOR WITH SPECTRUM™ TG

**SYN-FAB®**'s **SAE0036-TG SPECTRUM™TG** is used in conjunction with our SF12 series infrared imaging systems to display a high resolution video of the scene being monitored with a color thermograph overlay. The **SPECTRUM™TG** is an easy to use "black box" image processor that will economically transform your infrared imaging system into a calibrated imaging pyrometer.

Infrared imaging systems produce a monochrome image as their basic video signal. (The infrared spectrum is beyond the visible color spectrum; therefore infrared cameras generate a monochrome image as their basic signal.) The infrared image is composed of a gray scale that ranges from white to black. Each level of this gray scale corresponds to a very small temperature band to which the **SPECTRUM™TG** assigns a color. The image can then be displayed as a color thermograph instead of a black and white "grayscale" image. For a more sophisticated temperature monitoring system consider **SYN-FAB®**'s PC based **Pyro-Viper™-HD** software solutions.

## APPLICATIONS INCLUDE:

- |                  |   |
|------------------|---|
| Recovery Boilers | ► Smelt/Char Bed and Wall Tube Monitoring     |
| Power Boilers    | ► Fuel Bed and Wall Tube Monitoring           |
| Kilns            | ► Materials Discharge and Interior Monitoring |



**SYN-FAB® INC.**

## HIGH TEMPERATURE & INDUSTRIAL PROCESS MONITORING SYSTEMS

7863 Schillinger Park Road ▪ Mobile, Alabama ▪ 36608 ▪ USA  
Phone +1 251-633-4942 ▪ Fax +1 251-633-2514