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

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