SIGNI*FIRE*™ IP CAMERA - EARLY WARNING/EARLY RESPONSE

DESCRIPTION

The Signi*Fire* IP Camera is the newest edition to the Signi*Fire* Early Warning fire detection line of products. The Signi*Fire* IP Camera is capable of detecting and alarming on a variety of events. Once an alarm occurs it can be signaled through contact closures or by digital streamed transmissions over IP.

Video Processing Algorithms Include:

Flaming Fires - looks for a specific fire pattern consisting of a bright core of the flame and a flickering corona.

Reflected Fire Light - detects the presence of the flicking component of fire light reflected off of a surfaces facing the fire.

Smoke Plumes - identifies the anomalies that are caused by smoke and analyze the progression over a period of time to identify a growing smoke plume.

Ambient Smoke - monitors the light diffusion from light sources and bright objects in the video images to detect the pattern consistent with the slow accumulation of smoke.

Intrusion Detection - can monitor multiple areas of the video image for the presence of moving objects at different times. This can be used to detect and record wanted or unwanted persons.

FEATURES AND BENEFITS

- Detection algorithms embedded on network camera
- Intelligent edge device
- Benefits of IP network camera security system
- Increased system reliability
- Remote monitoring over the internet
- Addresses the security needs of your organization
- FM approved
- UL Listed - S24783

SPECIFICATIONS

Processor Memory and Clock:	Texas Instruments TMS320DM642 Digital Media Processor. 128 MB RAM. Battery backed up real time clock
Imager:	Micron CMOS MT9M11
Video Format:	Color NTSC
Video Resolution:	640 x 480 (NTSC)
Video Compression:	MJPEG

Form No. P.1.126.01-1

SPECIFICATIONS (CONTINUED)

Minimum Illumination:	4.8 Foot-candles (48 Lux)
Events Notification Medium:	http network based communications, Alarm, Trouble and Auxiliary Dry Contacts
Detector Performance:	Flame: 1 ft pan fire at 100 ft. Smoke: indoor detection verified at 100 ft. Motion: confirmable motion detection based on zones and schedules
Detection Zones:	User defined, including detect/non-detect logic. Each zone may be linked to multiple detection schedules (daily, weekly, monthly, yearly, single occurrence)
Dimensions and Weight:	7" x 3.18" x 2"; 1.5 lbs.
Environmental Limits:	Temperature range 32-122°F (0-50°C) Humidity up to 5-95% non condensed
Power:	Power over Ethernet (POE); 12-24 VDC; Consumption < 5 Watts
Video Management Software:	Spyder*Guard*™ API available for video management integration
Connectors:	RJ-45 Ethernet Jack; Terminal block for three relay outputs and DC power connection; BNC for coaxial analog out.
Lenses available:	2.8mm, 6mm and 8mm lenses

ORDERING INFORMATION

Fike P/N	Description
28-001	Signi*Fire* IP Camera: 82 Degree Field of View
28-024	Signi*Fire* IP Camera: 34 Degree Field of View
28-025	Signi*Fire* IP Camera: 44 Degree Field of View
28-006	Lens-2.8mm, 82 Degree Field of View
28-007	Lens-8mm, 34 Degree Field of View
28-008	Lens-6.1mm, 44 Degree Field of View
28-009	Outdoor Camera Enclosure with Mount
28-010	Standard Indoor Mount
28-011	Explosion Proof Housing (for IP Camera)
28-012	Explosion Proof Housing Mount
28-014	Industrial POE Switch (Power Over Ethernet)
28-015	Industrial POE Switch Power Supply
28-016	Industrial Switch - Non POE (Cameras Powered From Other Source)
28-017	Industrial Non POE Switch Power Supply
28-018	Netgear POE Switch , 4 Ports POE, 4 Ports Non POE
28-019	Enclosure, Industrial POE/Non POE Switches
28-020	Backplate for 28-019, 10 "x 8", NEMA
28-021	Steel Strain Relief Connector (Cord Range .125 - .250)
28-022	Steel Strain Relief Connector (Cord Range .250 - .375)