

SIGNIFIRE™ IP CAMERA

DESCRIPTION

The SigniFire IP Camera is the newest edition to the SigniFire Early Warning fire detection line of products. The SigniFire 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 surfaces facing the fire.

Smoke Plumes - identifies the anomalies that are caused by smoke and analyzes 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.

* Not FM approved

FEATURES AND BENEFITS

- FM Approved for flame and smoke
- UL Listed - S24783
- 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



ORDERING INFORMATION

Fike P/N	Description
28-001	SigniFire IP Camera: 2.8mm, 82 Degree Total Field of View
28-024	SigniFire IP Camera: 8mm, 34 Degree Total Field of View
28-006	Lens-2.8mm, 82 Degree Total Field of View
28-007	Lens 8mm, 34 Degree Total Field of View

Form No. P.1.126.01-2

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
UL Minimum Illumination:	1 Foot-candle (10 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.
Temperature Limits:	32-120°F (0-49°C) Humidity up to 5-95% non condensed
Power:	Power over Ethernet (POE); 12 VDC (FM), 12-24 VDC (UL); Consumption < 5 Watts
Video Management Software:	SpyderGuard™ 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 and 8mm lenses

