

SIGNIFIRE™ IP CAMERA - EARLY WARNING/EARLY RESPONSE

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 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



SPECIFICATIONS

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| 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

SPECIFICATIONS (CONTINUED)

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| 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: | 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, 6mm and 8mm lenses |

ORDERING INFORMATION

| Fike P/N | Description |
|----------|---|
| 28-001 | SigniFire IP Camera: 82 Degree Field of View |
| 28-024 | SigniFire IP Camera: 34 Degree Field of View |
| 28-025 | SigniFire 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) |

