



The SigniFire IP™ camera is the newest edition to the SigniFire™ Early Warning fire detection line of products

- 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

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 flickering component of fire light reflected off of 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.

<b>Processor Memory and Clock</b>	Texas Instruments TMS320DM642 Digital Media Processor 128 MB RAM Battery backed up real time clock
<b>Imager</b>	Micron CMOS MT9M11
<b>Video Format</b>	Color NTSC
<b>Video Resolution</b>	640x480 (NTSC)
<b>Video Compression</b>	MJPEG
<b>Minimum Illumination</b>	4.8 Foot-candles (48 Lux)
<b>Events notification medium</b>	http network based communications, Alarm, Trouble and Auxiliary Dry Contacts
<b>Detector Performance</b>	Flame: 1 ft pan fire at 100 ft Smoke: Indoor detection verified at 100 ft Motion: Configurable motion detection based on zones and schedules
<b>Detection zones</b>	User defined, including detect/non-detect logic Each zone may be linked to multiple detection schedules (daily, weekly, monthly, yearly, Single occurrence)
<b>Dimensions and Weight</b>	7" x 3.18" x 2" 1.5 lbs
<b>Environmental limits</b>	Temperature range 32—122°F (0—50°C) Humidity up to 5-95% non condensed
<b>Power</b>	Power over Ethernet (POE) 12-24 VDC Consumption < 5 Watts
<b>Video Management Software</b>	SpyderGuard™ API available for video management integration
<b>Connectors</b>	RJ-45 Ethernet Jack Terminal block for three relay outputs and DC power connection BNC For coaxial analog out
<b>Lenses available</b>	2.8mm, 6mm and 8mm lenses



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