STATE-OF-THE-ART

FLAME, SMOKE AND INTRUSION VIDEO DETECTION TECHNOLOGY

FIRE DETECTION AND VIDEO SURVEILLANCE

SigniFire™

INTELLIGENT FIRE ALARM DETECTION SYSTEMS

Fike®
Due to the inherent nature of their design, many of today’s modern, large structures are not adequately protected against smoke and fire. Features like large atriums, vast open areas and high ceilings, can make the use of traditional smoke and fire detection methods impractical, ineffective and difficult to maintain and operate. High airflow and smoke stratification can prevent smoke from reaching spot-type smoke detectors, adding to the ineffectiveness of traditional fire detection in open area facilities.

**THE SOLUTION:**

**VIDEO FIRE DETECTION TECHNOLOGY**

**SigniFire** by Fike, is a turnkey video, flame, smoke and intrusion detection solution. The state-of-the-art, camera-based **SigniFire** detection system, visually detects the presence of fire or smoke at its source, independent of airflow in the area. **SigniFire** represents a critical advantage for early warning fire detection, identifying and reacting to fire situations in their earliest stages, and protecting lives and property.

- Detects flame in seconds
- Supplies vital, situational awareness through live video to remote locations
- Triggers fire alarm systems
- Provides pre-recorded video forensic evidence for future fire investigations
- Provides video surveillance capabilities

Challenging environments and open area venues no longer have to settle for inadequate fire protection. Protection and security ... that’s **SigniFire** video fire detection.

Each **SigniFire** IP camera can be configured with multiple detection and/or exclusion zones within the field of view. These zones are set to either detect specific events (fire, smoke and motion) within the zone, or detect events outside the zone. The activation of each zone can also be linked to time schedules – so the system is always working when you need it, but won’t interfere with special events or circumstances.

**SigniFire** ... SCALABLE TECHNOLOGY THAT CAN BE APPLIED AS A STAND-ALONE SYSTEM FOR NEW INSTALLATIONS, OR INTEGRATED INTO YOUR CURRENT VIDEO MANAGEMENT SYSTEM.

**SigniFire Approvals**

DEPENDABLE, INNOVATIVE AND INTELLIGENT
THE COMPLETE SIGNIFIRE LINE OF PRODUCTS:

**SigniFire** ... state-of-the-art fire detection and advanced video surveillance capabilities in a single product family.

**IP Network Camera**
The SigniFire IP camera combines the enhanced resolution and picture clarity of a standard network camera with built-in flame, smoke and motion detector capabilities. The SigniFire technology detects:
- Presence of flames within the field of view of the camera
- Reflected fire light when flames are obstructed
- Presence of pluming smoke clouds and ambient smoke
- Unauthorized intrusion

**FSM-IP**
A scalable, Network Video Recorder (NVR) with video management software, each FSM-IP NVR is designed to support up to 32 SigniFire network cameras:
- Constantly records video streams on to internal hard disk
- Includes up to 6 terabytes of storage space with on-demand playback
- Provides a platform for monitoring of live videos
- Maintains an event log for all alarm conditions
- Dispatches alarms and videos to remote locations
- Provides a network management interface for configuration and maintenance

**SpyderGuard**
SpyderGuard is a state-of-the-art monitoring, investigative and administrative tool designed to seamlessly access multiple FSM-IP servers over an enterprise-wide network or the internet. SpyderGuard combines physical security with early warning flame and smoke detection:
- Access multiple FSM-IP NVRs at a time
- Integrates building, site and floor plans
- Remote monitoring over the internet
- Remote playback of archived events
- Emails alarms and video snapshots
- Generates commissioning and maintenance reports

**SpyderPanel**
SpyderPanel is a touch-screen panel designed to provide security personnel with a simplified user interface for quick response to an emergency situation. The intuitive SpyderPanel does not require any training to review alarms, video feeds, building plans or vital site information.
SIGNIFIRE FLEXIBILITY – NVR-BASED EARLY WARNING DETECTION

SigniFire is a total video, flame, smoke and intrusion detection solution – scalable and ideal for new facilities, stand-alone systems and some retro-fit projects. However, existing facilities may already have a video security system in place.

CAN EXISTING SECURITY EQUIPMENT BE USED TO PROTECT THE FACILITY FROM FIRE? Yes!

The SigniFire Server is a Wintel based solution for flame, smoke and intrusion detection, designed for use in places where analog/network cameras are already in place. While the result may not be a NFPA approved solution, the SigniFire Server uses the same algorithms as SigniFire IP and is capable of detecting and alarming on a variety of events. The SigniFire Server can process the video signals from up to 8 analog/network cameras and can be used in conjunction with SpyderGuard.

- 8 analog/network channels*
- Uses standard CCTV cameras
- Multiple unit scalability over IP network
- Remote monitoring over the Internet
- Remote playback of archived events
- Addresses security needs of organization
- FM Approved with certified analog cameras

* Please contact factory for compatibility of existing cameras

SigniFire Server can be a cost-effective alternative in many retro-fit and existing security applications.

Protection WHEN You Need It.

The complex detection algorithms of SigniFire provide endless configuration options for optimal system performance and flexibility.
FIRE CONTROL PANEL INTERFACE

The SigniFire IP camera can easily connect directly to a Fire Alarm Control Panel as a regular smoke and flame detector via three built-in dry-contact relays mounted on the back plane of each camera. These relays are configurable to signal alarms such as flame, smoke, motion and fault conditions which include no picture, camera out of focus and low-light situations. The dry contacts can also be programmed by the end-user to include a delay of the relay closure on specific events to allow video verification before the alarm panel is notified. This delay helps to reduce or eliminate nuisance alarms.

EXCEEDING YOUR EXPECTATIONS –
DEPENDABLE, INNOVATIVE AND INTELLIGENT

CyberCat® – the digital, peer-to-peer bi-directional, communication system that delivers it all.

When smoke and fire threaten lives and property, reaction time is critical. That’s why we’ve designed our CyberCat fire alarm and control panels to respond faster than the industry requires, by eliminating polling, delays and interference. Information is delivered simultaneously from the intelligent sensors to the alarm panel and other devices within the system.

This direct communication, or peer-to-peer technology, not only reduces response time, but each CyberCat device is capable of generating accurate and highly detailed information. Conventional systems give you a general idea of a fire’s location – for example, the second floor of your building. CyberCat’s intelligent sensors tell you precisely which device is in alarm. And the intelligent CyberCat can be programmed to relay information and perform process management tasks.
THE TOTAL SOLUTION

Fike has long been known for being a leader in service, support and delivery in the fire protection industry. No matter what the concern, no matter what the time, we make it easy to reach a trained, knowledgeable Fike representative who will assist you quickly. Combine that with the most advanced technology available in fire alarm systems, competitively priced to meet all your application needs, and you have a total solution for all your fire alarm and fire protection needs.

WWW.SIGNIFIRE.COM