

Innovative Industrial Solutions



I.I.S.

Remote Fire Watch



Reduce the number of personnel required for Fire Watch with the I.I.S. Remote Fire Watch System



With the use of fixed cameras and built in analytics the Video Management Software (VMS) will alert and alarm when smoke/fire is present.

Innovative Industrial Solutions, Inc.

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www.i-i-s.net

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Flaming Fires: Looks for a specific fire pattern consisting of a bright core of flame and a flickering corona.

Reflected Fire Light: Detects the presence of the flickering component of fire light reflected off 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.

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 4" and 3.3 lbs.
Temperature Limits:	40°F - 131°F Humidity 10-100% RH (condensing)
Power:	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Typical: 3.1 W, 5.6 Watts
Connectors:	RJ-45 10BASE-T/100BASE-TX PoE Terminal block for 1 supervised alarm input and 1 digital output (12 V DC output, max load 50 mA) 3.5 m mic line in, 3.5 mm line out

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Video Management Software (VMS)

Remote Fire Watch Video Analytics Video Management Software is a state-of-the-art monitoring, investigative and administrative tool that records and stores the camera video. The software makes it easy to search and playback events stored in the video archives for forensic analysis of the events leading up to the fire.

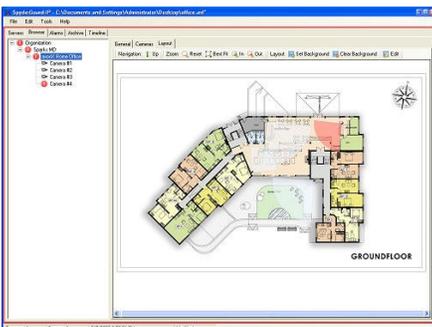
The VMS software can seamlessly access multiple Video Analytics NVRs and Network Video Servers over an enterprise-wide network or the Internet. This allows the user to check the current status of multiple Remote Fire Watch systems from anywhere in the world. The VMS software is provided with all Video Analytics systems and can be installed on a Windows based PC workstation that meets or exceeds the specifications.



A scalable, network video recorder with video management software, each server is designed to support up to 16 IP network, flame detecting cameras

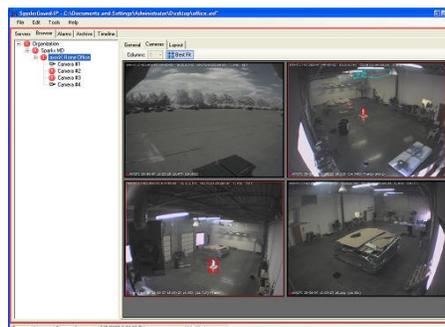
With the scalable FSM-IP, multiple servers can be configured to handle a large number of cameras.

This provides the ability to build an enterprise-level surveillance system that can be monitored and configured from one single workstation.



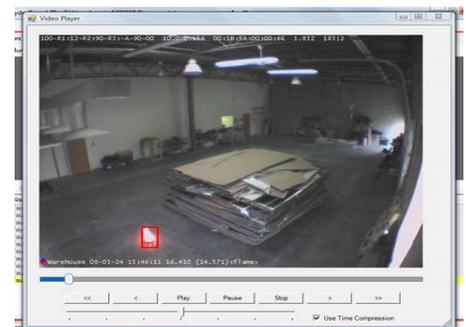
Situational Awareness

Each time a fire, smoke and/or motion event is detected, **VMS** automatically switches to live feed of the event — showing real-time footage with an audio description of alarm and location. On-site personnel do not have to constantly monitor the video to know when a fire happens, and it provides instantaneous, relevant information to determine the appropriate course of action.



Timeline

Statistics show 23% of all non-residential fires are arsons, requiring serious forensic investigations. **VMS** can reduce this process from weeks to just a few hours, through review of all video recordings prior to the event. Depending on the size of storage used, **VMS** allows investigators to view events hours, days and even weeks before the event.



Security Peace-of-Mind

VMS combines physical security and early warning fire and smoke detection — expanding the functionality of a video security system to protect the assets from accidental as well as intentional fires.

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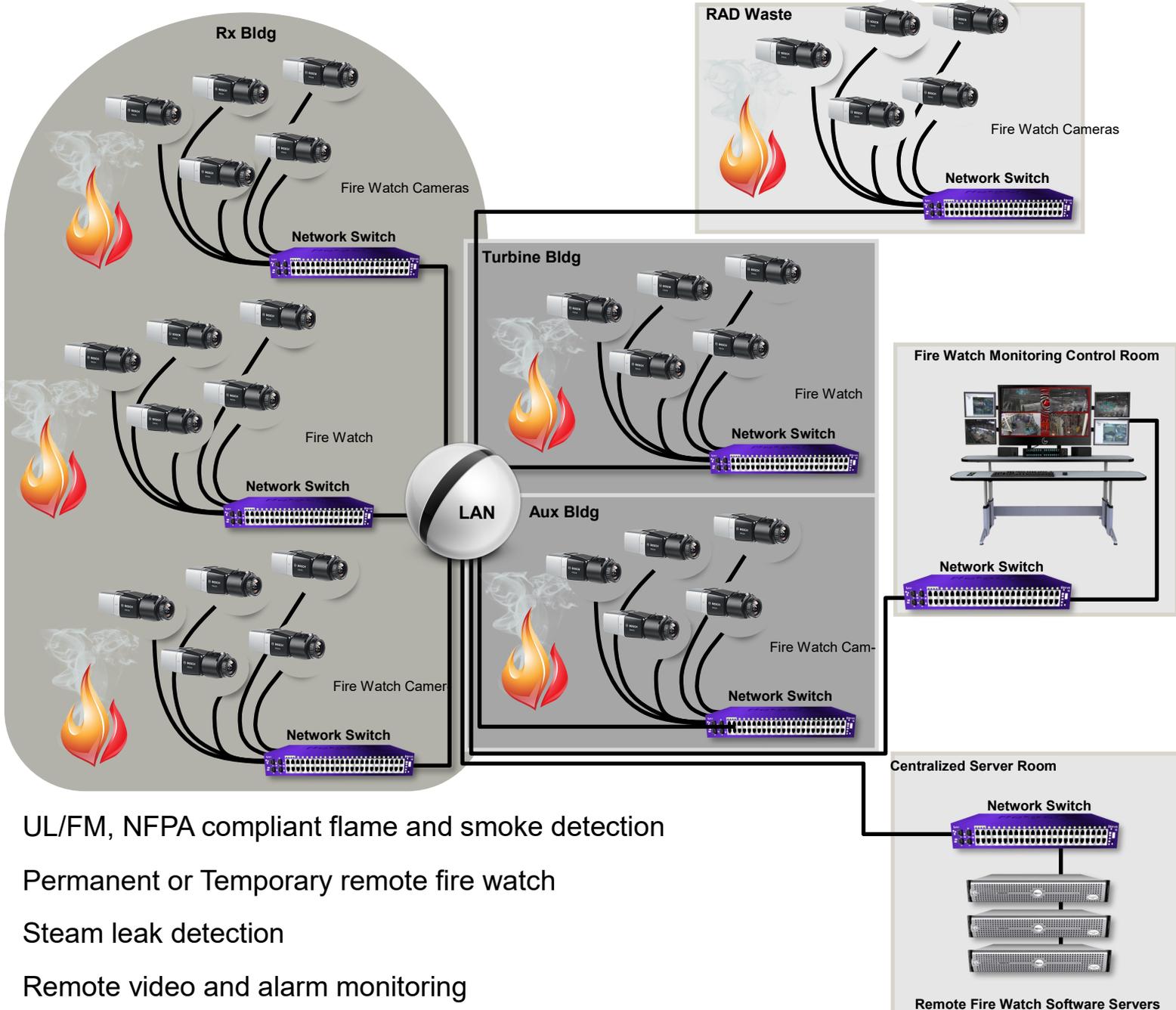
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- UL/FM, NFPA compliant flame and smoke detection
- Permanent or Temporary remote fire watch
- Steam leak detection
- Remote video and alarm monitoring
- Records to network video recorder 24/7 and tracks events

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