



FLAME AND SMOKE VIDEO DETECTION TECHNOLOGY

Due to the inherent nature of their design, many of today's modern buildings, large structures and interior spaces are not adequately protected against smoke and fire. Features like vast open areas and high ceilings can make the use of traditional smoke and fire detection methods difficult. Fike Video Analytics visually detects the presence of fire or smoke at its source, allowing very early detection and alarm in challenging applications.

Fike Video Analytics is a turnkey video flame and smoke detection solution. Fike Video Analytics represents a critical advantage for early warning fire detection when used in conjunction with UL/FM approved fire alarm control panels. Video analytics is a unique detection technology as it does not require physical interaction with the products of combustion or heat (energy) for detection or alarm.

Each Internet Protocol camera can be configured with multiple alarm and/or exclusion zones within the field of view. These zones are set to either alarm on specific events (fire, smoke and motion) within the zone, or alarm events outside the zone.

INTELLIGENT FIRE DETECTION TECHNOLOGY

Available in both an approved/listed camera and supplemental server-based option, Fike Video Analytics offers users the flexibility to monitor a wide variety of applications. The FIKE® Video Flame and Smoke Detection Camera is UL listed and FM approved for primary detection when used together with listed and approved fire alarm control panels. The Fike server-based alternative offers supplemental detection, monitoring video from off-the-shelf (ONIVF* compliant) cameras, easily integrating with existing IP security camera systems.



Open Spaces with High Ceilings

By analyzing the image of the entire space, video analytics allow very early detection without requirement of interaction with smoke.



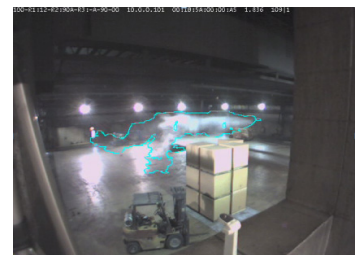
Marine and Offshore

Video analytics can be used to monitor engine rooms and turbine areas allowing for notification in the event of smoke, fire or oil mist.



Manufacturing and Industrial

With customizable zones and alarm options, video analytics can monitor industrial and manufacturing spaces and target specific processes.



Fike Video Analytics utilizes algorithms to detect flame, smoke, reflected flame and oil mist in a variety of applications.

SCALABLE AND RELIABLE FIRE DETECTION

Fike Video Analytics can be applied for new installations, or integrated into your current video management system when using the supplemental server-based solution. Fike Video Analytics offers options to utilize your existing camera system and provide the ability to detect flame, smoke and oil mist. Fike Video Analytics detects flame in seconds and can give access to live video feed at remote locations. When integrated into your current camera network, the video feed must be monitored by manned stations.



FIKE® VIDEO FLAME AND SMOKE DETECTION CAMERA

FIKE® Video Flame and Smoke Detection Camera combines the resolution and picture clarity of a standard network camera with built-in flame, smoke and motion detection capabilities. The video 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
- Presence of oil mist

The IP camera must be monitored by a UL listed or FM approved fire alarm control panel



FIKE® VIDEO SERVER WITH FIKE® VIDEO ALGORITHM SOFTWARE

By easily adding the FIKE® Video Server with FIKE® Video Algorithm Software to the camera network, an IP camera system can be upgraded to provide early fire and smoke detection using new or existing infrastructure. This option may be used to analyze video feeds from up to 16 ONVIF* compliant cameras with a single server. The Fike server is commonly integrated as an NFPA-compliant fire watch when monitored at a manned location.



FIKE® VIDEO REMOTE MONITORING SOFTWARE (VMS)

FIKE® VMS is a monitoring, investigative and administrative tool designed to seamlessly access multiple FSM-IP servers, or listed camera network video recorders, over an enterprise-wide network or the internet. The system records 24/7/365 and is used to configure camera settings, view live or recorded video, tracks alarms and allows NFPA 72 required maintenance to be performed at the computer, without the need to simulate detections at the cameras.

CUSTOMIZED SUPPORT

Fike Video Analytics dedicated personell are involved with every project from concept to commissioning. We review with the end-user, our integrator and/or fire protection specialist to mutually determine if the technology is best suited for the application. For specific questions, please contact a Fike representative at FikeVideoAnalytics@Fike.com or at 816-655-3453.