Fike®
VIDEO ANALYTICS

FSM-IP Network Video Recorder (NVR)

12 and 18 TB NVR

Features and Benefits

- Handles up to 16 or 32 Fike Video Analytics IP network cameras

- Multiple unit scalability over IP network

- Provides access to live and recorded video for each channel over an IP connection

- Remote monitoring over LAN or Internet using the Fike Video Analytics Video Management Software (VMS)

- Remote playback of archived events

- Circular recording capacity of 12TB or 18TB

- Provides continuous video recording for each Fike Video Analytics IP camera marking the events reported (flame, smoke and motion)

- Recorded video can be downloaded in .wmv or .axm format

Ordering Information

Fike P/N	Description
28-139	FSM-IP NVR Video Management System, 12 TB (for up to 16 Fike Video Analytics IP cameras)
28-140	FSM-IP NVR Video Management System, 18 TB (for up to 32 Fike Video Analytics IP cameras)

Description

The FSM-IP is a scalable, network video recorder (NVR) with video management software (VMS). It is an integral part of the Fike Video Analytics early warning fire detection system acting as the video management system and communications conduit between the Fike Video Analytics IP cameras and the Video Management Software (VMS).

The FSM-IP NVR is capable of continuously recording and digitally storing video images for up to 16 or 32 Fike Video Analytics cameras. The installed VMS software makes it easy to search and playback events stored in the video archives from multiple VMS workstations for forensic analysis of the events leading up to the fire.

Multiple FSM-IP NVRs can be installed and accessed over a single IP network by one VMS workstation for easy scalability. This provides the ability to build an enterprise-level surveillance system with a large number of cameras that can be monitored and configured from a single VMS workstation.

Network Requirements

In order for the FSM-IP NVR to function properly and communicate with the Fike Video Analytics IP cameras, they must all share the same high-speed local area network (LAN).

If integrating the Fike Video Analytics components into an existing LAN, consult with your IT representative or system administrator to ensure that adequate capacity is available to handle the camera(s) bandwidth. Contact your Fike Video Analytics distributor for additional information regarding network requirements.

Specifications

Chassis	2U, 17 inch, 7XPCI Slots, Slide Rail Kit Dimensions (WxDxH): 17" x 19" x 3.5" (432 x 483 x 89 mm)
Motherboard	X11SAE-M mATX C236 embedded chipset, 8x SATA Intel® HD Graphics P530 embedded 1xDVI-D, 1xDP (Display port), 1xHDMI
Processor	Intel® Xeon® Embeded Processor E3-1275 v6, 8M SmartCache, 3.60 GHz, 4 Cores, 8 Threads, 80W
Memory	(2) 4GB, DDR4-2133 ECC UnReg, 1.2 V
OS Drive	500GB, 7200 RPM, 128MB, 3.5" HDD
Storage Drives	(3) 3.5" HDD, 4TB, 7200RPM, 128MB (12TB FSM-IP NVR)
	(3) 3.5" HDD, 6TB, 7200RPM, 128MB (18TB FSM-IP NVR)
CD Drive	24x DVD-RW Black SATA
Input/Output	(2) USB ports on front of unit (1) RJ45 GB LAN ports on rear of unit (6) USB ports on rear of unit (1) DVI-D port on rear of unit (1) Display Port on rear of unit (1) Audio jack on rear of unit (1) HDMI port on rear of unit (1) USB Spice out on rear of unit
Power Supply	AC Input: 100-240V, 47-63Hz, 8-4A DC Output: 500W (max.)
Operating System	Windows® Server Standard 2016, 64-bit
Event Notification	Video Management Software over TCP/IP and Wise Relay
Recording Capacity	Varies based on the number of video channels and recording frame rate settings. Refer to FSM-IP NVR manual for additional information.
Environmental	Operating Temperature Range: 10-35°C (50-95°F) Non-operating Temperature Range (stored): -20-60°C (-4-140°F) Operating Humidity (RH): 10-80% Non-operating Humidity (RH): 10-95%

System Architecture

In its basic configuration, the Fike Video Analytics system will consist of at least one Fike Video Analytics IP camera, FSM-IP network video recorder (NVR), and a Windows based PC running the Fike Video Management Software (VMS), all connected to the same high-speed local area network (LAN). Remote VMS workstations can be located on a differnet network and will communicate normally as long as the NVR is accessible over a TCP connection.

Where Alarm annunciation is required, dry-contact relay connections are provided on the back of each Fike Video Analytics IP camera. These connections can be tied into an FM Approved Fire Alarm Control Panel (FACP) to signal camera activation.

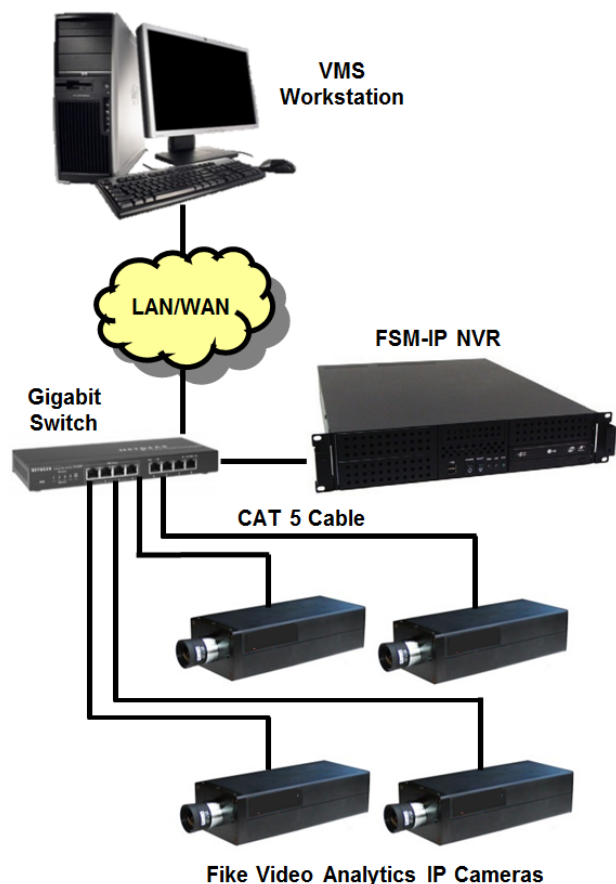This document is only intended to be a guideline and is not applicable to all situations. Information is subject to Fike's full disclaimer at http://www.fike.com/disclaimer.

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