



DeepLearning

RECORDER

FN9-1264F16-R16
FN9-12128F32-R16



ANALYSIS

SCATI FENIX systems are powerful video/audio recording and editing platforms for IP, Hybrid and Analog technologies.

With **FENIX software** preconfigured, these devices offer a wide range of options for achieving **maximum performance** from your **CCTV system** while also efficiently managing storage and bandwidth.

The FENIX recorders are fully integrated with the cameras and the applications of the Control Center. This integration provides a complete and scalable video surveillance solution with seamless operation among the solution specifically designed for your needs.

Connectable to HDTV, AHD, HDCVI and analog cameras.

RELEVANT FEATURES AND FUNCTIONS

- Precise face recognition and analytics based on deep learning algorithm.
- Storage on the SD card of the camera to enhance the storage reliability when the network link has been broken. The backup is automatically done when the connection is restored.
- Supports HDD hot swap with RAID0, RAID1, RAID5, RAID6 and RAID10 storage scheme configurable.
- Either normal or hot spare working mode is configurable to constitute an N+1 hot spare system.
- Support live view, storage, and playback of the connected camera at up to 12 megapixels resolution.
- Up to 128 IP cameras can be connected.
- Video outputs at up to 4K (4096×2160) resolution.
- Smart search for efficient playback.
- Up to 16 SATA and 1 eSATA interface connectable, for both recording and backup.
- Supports multiple VCA (Video Content Analytics) events.
- Smart search for the selected area in the video; and smart playback to improve the playback efficiency
- Supports VCA search for fire/ship/temperature/temperature difference detection triggered video files
- POS information overlay on live view and playback
- POS triggered recording and alarm
- 4 Gigabit Ethernet network interfaces.



SPECIFICATION

Model	FN9-1264F16-R16		FN9-12128F32-R16	
FACE DETECTION AND ANALYTICS	Face picture library	32 libraries 300,000 pictures		
	Face Capture	16-ch IP cameras	32-ch IP cameras	
	Face picture comparison	16-ch face pictures comparison alarm	32-ch face pictures comparison alarm	
	Face picture search	Search by picture is supported		
	Performance of Face detection and analytics	8-ch human face capture (HD IP camera, up to 4 MP)		
	Human body detection and analytics	Behavior alarm, human body picture structuralization and human body picture search		
	Human body picture structuralization	Search by human body picture		
	Video structuralization applications	Search human body by appearance or by similarity, search vehicle by appearance		
	Video structuralization	4-ch real-time video structuralization, 16-ch historical video structuralization	8-ch real-time video structuralization, 32-ch historical video structuralization	
VIDEO & AUDIO INPUT/OUTPUT	IP video input	64-ch	128-ch	
	Forwarding	128-ch	256-ch	
	Incoming/outgoing bandwidth	400 Mbps/400 Mbps	512 Mbps/512 Mbps	
	HDMI output resolution	2-ch independent HDMI interface, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
	VGA output resolution	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
	Audio output	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
LCD output	7-inch LCD			
VIDEO & AUDIO DECODING	Video decoding format	H.265 Ultra, H.265 STD, H.264 Ultra, H.264 STD, SVAC, MJPEG, MPEG4		
	Audio decoding format	G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2		
	Recording resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p /VGA/4CIF/DCIF/2CIF/CIF/QCIF		
	Synchronous playback	16 channels		
	Decoding capability	5-ch@8 MP/10-ch@4 MP/20-ch@1080p/40-ch@720p		
HDD / RAID / NETWORK MANAGEMENT	Interface	16 SATA interfaces 1 eSATA interface		
	Capacity	Up to 8 TB for each HDD		
	RAID Type	RAID0, RAID1, RAID5, RAID6 and RAID10		
	Network interface	4, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface		
EXTERNAL INTERFACE	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 k Ω)		
	Serial interface	RS-232; RS-485; Keyboard		
	USB interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0		
	Alarm input/output	16/8		
	Slot	2		

GENERAL	Power supply	100 to 240 VAC, redundant power supplies
	Max. Power	550W
	Consumption (without HDD)	≤ 140 W
	Working temperature	0 °C to +50 °C (32 °F to 122 °F)
	Working humidity	10% to 90%
	Chassis	19-inch rack-mounted 3U chassis
	Dimensions (WxDxH)	445 × 470 × 90 mm (17.5 × 18.5 × 3.5")
	Weight (without HDD)	≤ 20 kg (44 lb)

ORDERING INFORMATION

FN9-1264F16-R16

Video recorder-player and editor for IP cameras with face recognition. Expandable up to 64 channels and up to 128 TB storage.

FN9-12128F32-R16

Video recorder-player and editor for IP cameras with face recognition. Expandable up to 128 channels and up to 128 TB storage.

SCATI FENIX

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Rev.1