

8516 Series Hybrid NVR

16-Channel Recording Platform

S-series
(desktop)

R-series
(rack mount)



The **16-channel Hybrid NVR** from March Networks® delivers video that's always there when you need it, and the advanced tools that allow you to quickly find the evidence you need. Get your job done faster — from installation to investigation — with this appliance-based hybrid NVR as the backbone. This recording platform reinforces our reputation for manufacturing the most robust, reliable, and feature-rich recorder on the market, and allows you to migrate from 100% analog to 100% IP video at your own pace.

From the small, local-control user with just a few cameras, who does not want to connect the recorder to a network... to the largest enterprise user with globally dispersed sites and thousands of recorders... this platform offers a solution that will feel tailor-made to fit each unique application.

Key Benefits

- ▶ **Embedded, Linux-based, and purpose-built.** Spend more time performing investigations and less time dealing with maintenance issues that can plague a PC-based recorder.
- ▶ **All camera licenses included.** No need to pay for separate channel licenses; benefit from a full-featured recording platform right out of the box.
- ▶ **Configurable recording policies.** Record video based on user-definable variables like schedule, motion, analytics, etc.
- ▶ **Real-time health monitoring.** Be alerted to camera, recorder and network issues within seconds.
- ▶ **Network policies for bandwidth protection.** Maximize overall system performance with features like bandwidth throttling, maximum retention settings, multi-sector archiving, and selective video recording.
- ▶ **Front panel QR code.** Use March Networks' free GURU Smartphone App to scan the recorder's QR code to check warranty status, get in-field diagnostics support, do on-site wireless provisioning, or even initiate an express RMA.
- ▶ **Recorder docking station.** Keep all connections clean and securely connected to the back of the unit for quick, easy installation of the recorder, as well as removal for service and maintenance.
- ▶ **Powerful video management software.** With March Networks Command™ Recording Software and Command Enterprise Software, you'll be equipped with the features and tools you need to easily manage your video surveillance system.
- ▶ **Get a complete view of your business.** Supplement your surveillance video with March Networks Searchlight™ Software and the Brickstream® Analytics Sensor. This further enhances your evidence by incorporating powerful business analytics (e.g., people counting, queue length, and wait times), and ancillary data (e.g., POS, ATM, teller, RFID, weapon detection, and license plate recognition).

Get rock-solid reliability and best-in-class features in a platform for up to 16 analog or IP cameras, or any combination of both.

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MODELS

8516 R series	16 channels, 15fps, rack mount
8516 S series	16 channels, 15fps, desktop

VIDEO

Channel Capacity	8516 R 15fps concurrent at full 4CIF/2CIF/CIF across 16 channels (240fps) 8516 S 15fps concurrent at full 4CIF/2CIF/CIF across 16 channels (240fps)
Video Compression	H.264, CIF/2CIF/4CIF resolution
Max Analog/IP Camera Inputs	16/16
IP Camera Performance	With all analog cameras enabled, IP cameras are not available With all analog cameras disabled, IP camera capacity = 80 Mbps
Video Output	Composite or HDMI

AUDIO

Analog Audio Inputs	4, unbalanced, 10kΩ, 1Vp-p typical
Analog Audio Outputs	2, unbalanced, 600Ω, 1Vp-p
Analog Audio Codec	G.711, 8 bit/8kHz, 64 kBit/s, unidirectional

NETWORK

Network 1	GigE port for connection to corporate network
Network 2	GigE port for connection to camera network
Security	Industry standard TLS 1.2 with strong AES encryption, HTTPS encryption, strong hashing algorithms SHA256, continuous security vulnerability assessment
Interface	10/100/1000Base-T Ethernet (2 x RJ-45)

SYSTEMS / NETWORK MANAGEMENT

Bandwidth Throttle	Yes (can include exceptions on a per-IP address basis)
Bandwidth Scheduling	Yes
Adaptive Bandwidth	Yes
Remote Connection	TCP/IP (IPv4)
Concurrent Remote Connections	No set limit
Internal Battery	Enables systematic shutdown; no external UPS communication required

ANALYTICS

Included	Motion detection
Optional	Camera obstruction, field-of-view monitoring, trip wire, loitering, presence detection

STORAGE

Internal Hard Drives	1-4 3.5" HDDs
Individual Drive Capacity	Up to 18 TB
Total Storage Capacity	Up to 72 TB
Drive Type	Serial ATA (SATA)
Mirroring	Yes

ALARM INPUTS/OUTPUTS

Alarm Inputs	8 current loop inputs, supporting open and closed detection
Relay Outputs	4 relay switch outputs (30VDC, 1A); programmable event driven

PHYSICAL

Dimensions (HxWxD)	R series 3.1 x 17.4 x 16.0 in (8.0 x 44.2 x 40.6 cm) S series 3.2 x 16.9 x 16.0 in (8.1 x 43.0 x 40.6 cm)
Mounting:	R series 2U high, 19" rack, wall mount, desktop S series Wall mount, desktop
Weight:	R series 18.5 lbs (8.4 Kg) (with docking station) S series 13 lbs (5.9 Kg) (no docking station)
Hard Drive	Add 1.5 lbs (0.7 Kg) per HDD

ENVIRONMENTAL

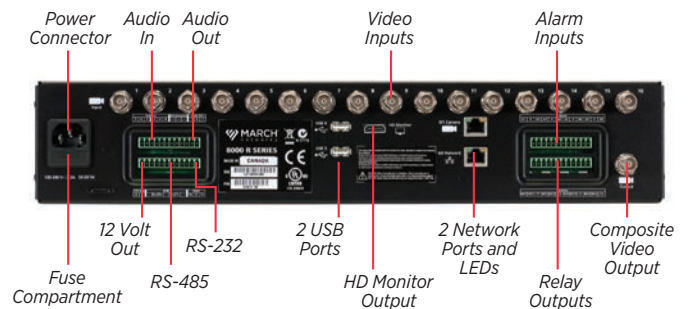
Operating Temperature	5°C to 40°C (41°F to 105°F)
Heat Dissipation	Maximum 255 BTU per hour (system plus 4 hard drives)
Humidity	5% to 95% RH (non-condensing)
Storage Conditions	-40°C to 70°C (-40°F to 158°F)

ELECTRICAL

Internal Power Supply	115/230 VAC (auto-sensing), 2.3A, 50-60Hz
Power Consumption	75W Max

REGULATORY

Safety	IEC60950-1 (ed.2), UL 60950-1 (ed.2), CSA C22.2 No. 60950-1-07 (ed.2)
EMC	FCC 47 CFR Part 15, Subpart 15, ICES-003, EN55022, CISPR 22, AS/NZS CISPR 22, EN61000-3-2, EN 61000-3-3, EN50130-4, EN55024
Compliance Marking	CE-mark, cULus, C-tick, WEEE



3-year warranty on all recorders:

- Options for Repair & Return or Advance Replacement
- March Networks incurs all shipping costs—both ways—for AR's
- All recorder components are covered, including HDDs