

**PRO** 

MV-NVR3816CH-2S

16 Channel 1U 2HDD 4K NVR

Powerful Decoding Capacity

Up to 1-ch @ 12MP/4-ch @ 4MP/8-ch @ 1080P/16-ch D1 decoding capacity

Smart VCA Management

Microview MV-NVR3816CH-2S supports alarm configurations and event search of Microview Smart VCA. Once suspicious events detected, the devices can trigger alarms and recordings, improving video surveillance efficiency.

Enterprise ANPR Management

Defined as the Enterprise ANPR management system, Microview MV-NVR3816CH-2S becomes the central management site to easily monitor the traffic, including the real-time preview of the car plates, smart analysis and other more detailed settings.

POS Integration

The combination of retail transaction data with surveillance videos makes it easy to check goods settlement, miscalculation and missing calculation in the stores, supermarkets and other places, which is helpful to boost customer service and in-store competitive advantage.

FEATURES

- Up to 16-ch IP cameras access
- Up to 160 Mbps incoming/outgoing bandwidth
- Up to 1-ch @ 12MP/4-ch @ 4MP/8-ch @ 1080P/16-ch D1 decoding capacity
- Support mask detection, face recognition and multi-objective recognition
- Support VCA alarm linkage
- Up to 4-ch perimeter protection
- Support 1 HDMI and 1 VGA interface
- Support ANR



MV-NVR3816CH-2S



TECHNICAL SPECIFICATION

VIDEO/AUDIO INPUT

Part Number	MV-NVR3816CH-2S
Network Video Input	16 Channel
Bandwidth Incoming	160 Mbps(112Mbps with AI enabled)
Bandwidth Outgoing	160 Mbps(112Mbps with AI enabled)

VIDEO/AUDIO OUTPUT

HDMI 1 Output	3840 × 2160, 1920 × 1080, 1280 × 1024, 1024 × 768
VGA Output	1920 × 1080, 1280 × 1024, 1024 × 768
Different Source Output	Support
Decoding Capacity	1ch 12MP, 4ch 4MP, 8ch 1080P, 16ch D1 (Enable Local Intelligence: 1ch 8MP, 4ch 1080P, 8ch D1, 16ch D1)
Dual Stream	Support
Multi-screen Display	1/4/9/16

AI RECOGNITION

Face Comparison	Real-time captured and display faces comparison results (registrant (name and ID), stranger, channel, similarity)
Multi-objective	Real-time captured and display vehicle, human body, non-motor vehicle, license plates image, and faces comparison results (registrant, stranger, channel, similarity)
Smart Search	Time, Properties, Pictures, License plate
Trigger Events	Buzzer, Alarm push, Alarm prompt, Email, Alarm Out, Compare the result simultaneously, etc

RECODING

Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.
Recording Mode	Manual, Schedule (Regular, Continuous), Event
Trigger Events	Motion Detection, Video Loss, Alarm in, IVS

PLAYBACK & BACKUP

Sync Playback	16/9/4/1
Search Mode	Time /Date, Alarm, Picture grid, Event
Backup Mode	USB Device, Network

ALARM

General Alarm	Motion Detection, Video Loss, Alarm in, Alarm out
Intelligent Analysis (By Camera)	Smoking Detection, Smoke and Fire Detection, Fire Spot Detection, Intrusion, Single Line Crossing, Double Line Crossing, Loitering, Wrong-way, Illegal Parking, People Counting, Smart motion detection, Enter Area, Leave Area, etc.
Abnormal Alarm	Disk Alarm, IP Address Conflict, Network Disconnect
Intelligent Analysis (By NVR)	4-ch intrusion detection, support the accurate detection of human and vehicle
Event Action	Buzzer, Push message to APP, Pop up message to monitor, Full screen, Email, FTP, PTZ, Alarm output, Recording

MV-NVR3816CH-2S



TECHNICAL SPECIFICATION

NETWORK

Network Protocol	HTTP, HTTPS, TCP/IP, IPv4, IPv6, UPnP, UDP, RTSP, SMTP, NTP, DNS, DHCP, FTP, P2P, IP Filter, DDNS, 802.1X, SNMP, 3G/4G, PPPoE
Remote Users	8 users
P2P	P2P, Web NAT
Interoperability	ONVIF, SDK, CGI

STORAGE

ANR	Support
Disk Group	Support

INTERFACE

HDD Interface	2 SATA interfaces, up to 12TB capacity for each disk
Network Interface	2 × RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port
HDMI	1
VGA	1
Audio In/Out	1/1
Alarm In/Out	8/1
USB Interface	Front panel: 2 × USB 2.0
Reset Button	On-board reset button

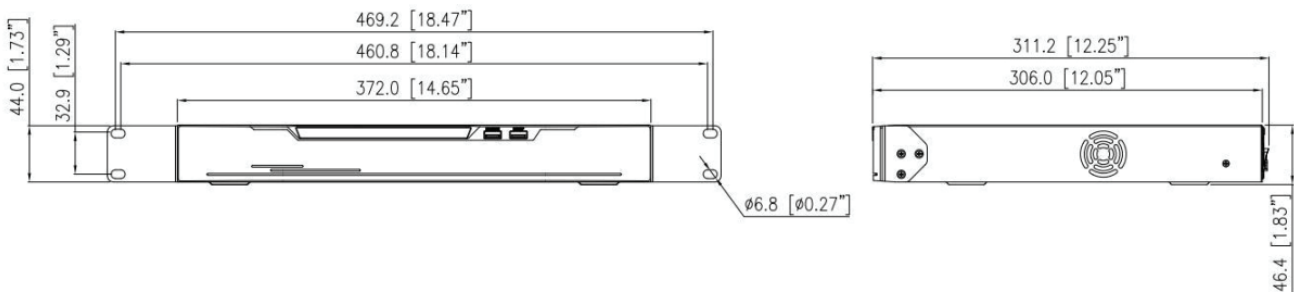
GENERAL

Power Supply	12VDC/3A
Power Consumption	< 15 W (without HDD)
Operating Conditions	-10 °C to 50 °C (14 °F to 122 °F)
Storage Conditions	Less than 90% RH
Certifications	CE/FCC
Dimensions	372 × 311.2 × 46.4 mm (16.65 × 12.33 × 1.83 inch)
Net Weight	1.8 kg (3.97 lb) without HDD

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STRUCTURE DIAGRAMS



REAR PANEL

