AVR-NN816E2N-FD

NDAA COMPLIANT | CE | FC

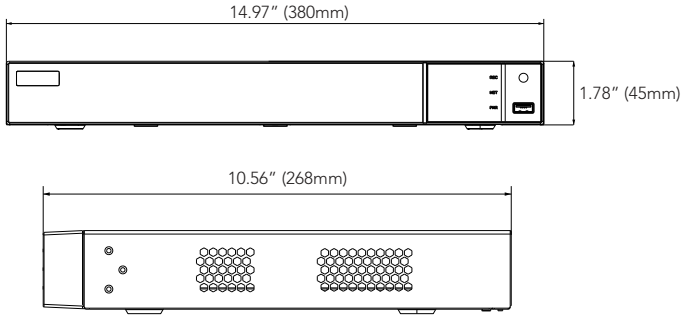
16 CH. 8MP NETWORK VIDEO RECORDER
8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 720P / DUAL NIC /
NON-POE NVR

OVERVIEW

- Supports up to 16 Channels 8MP / 6MP /5MP / 4MP / 3MP / 1080P / 960P / 720P IP Camera video input
- Supports H.265 High Profile Compression
- 4K HDMI Output
- Multi-Mode Recording: Manual / Scheduled / Motion / Alarm / AI (Video Analytics)
- Playback: 16 Channels Simultaneous Playback
- Supports Multiple Video Analytics, such as Missing or Abandoned Object, Region Intrusion, Tripwire, Video Tampering, etc.
- Supports POS Information Overlay on Live View and Playback
- Quick and Easy Backup via USB, Network and Mobile App
- Pentaplex Operation: Live View, Record, Playback, Backup and Remote Access
- Supports DHCP, DDNS, PPPoE and various other Network Protocols
- Compatibility with a Variety of 3rd-Party IP Cameras including ONVIF
- Remote Access via Web Interface or AVYCON CVMS: Live Playback, Backup, PTZ, and System Configuration
- Dual Stream Technology allows for High Quality Local Recordings and Standard Quality Video for Mobile and Remote Access
- Allows Simultaneous Online Users to Access Device
- Support PTZ Preset and Auto-Cruise, with Up to 255 Presets and 8 Cruise Paths
- Support NAT Function and QR Code Scanning Mobile Apps, Eliminating the Need to Configure Port Forwarding
- Powerful Mobile Apps on iOS and Android
- Supports Smart Analytics with xHN Series Cameras (available features depend on camera model)
- NDAA Compliant

DIMENSIONS

Unit : inch(mm)



MOBILE APP

AVYCON MOBILE CVMS

Available on the App Store

ANDROID APP ON Google play

REAR PANEL

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SPECIFICATIONS

VIDEO	
IP Video Input	16 Channels
Output	HDMI: 3840 x 2160 @ 60fps; 3840 x 2160, 1920 x 1080, 1280 x 1024, 1024 x 768 @ 30 fps VGA x 1: 1920 x 1080 / 1280 x 1024 / 1024 x 768
IP Video Input Resolution	12MP / 8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 1280 x 1024 / 960P / 720P / 960H / D1 / CIF
Incoming Bandwidth (Mbps)	160
Outgoing Bandwidth (Mbps)	160
Video Compression	Standard H.264 / H.265
AUDIO	
Network Input	16 Channel IPC Audio Input
Local Output	RCA x 1
2-Way Audio	RCA x 1
Compression	G.711(U/A)
RECORDING	
Resolution	8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 1280 x 1024 / 960P / 720P / 960H / D1 / CIF
Frame Rate	30 fps (NTSC) / 25 fps (PAL)
Record Stream	Dual Stream Recording
PLAYBACK	
Smart Search	Recorded Events are Color-Coded to Reflect the Specific Type of Event that was Recorded (Scheduled, Motion, Alarm, Etc.)
Search	Time slice / Time / Event / Tag Search
Simultaneous Playback	Max 16 Channels
Live / Playback	1 Channel @ 8 MP / 4 Channels @ 1080P
Function	Play, Pause, FF, FB, Digital Zoom, Etc.
ALARM	
Alarm Input	8 Channels Local Alarm Input; IPC Alarm Input Supported
Alarm Output	4 Channels
Mode	Manual, Sensor, Motion, Exception, Smart Events
Triggering	Record, Snap, Preset, E-mail, etc.
FACE	
Face Detection (Camera Detection)	16 Channels
Face Detection (NVR Detection)	16 Channels
Face Match Performance	16 Channels
Face Picture Database	32 Libraries; 5,000 Face Pictures
Comparison Capability	180 Pictures / minute
Face Picture Adding	Ability to Add Face Pictures via Mobile App, Web Interface, and NVR Local GUI
Face Picture Search	Yes
Face Tracking	Yes
Database Management	Add, Modify, Delete, and Search Face Pictures
Face Picture Comparison	Supports Standard Comparison, with the Ability to Add Faces to an Allowed or Block List
Face Track Map	Resolution: ≤2560 x 1920; Size: ≤512KB; Formats: .jpg, .jpeg
External Face Picture Enrollment	Resolution: 128 x 128 ~ 1920 x 1080; Size: ≤70KB; Formats: .jpg, jpeg
Face Info Statistic Mode	Statistics by Day, Week, Month, Quarter as well as Customized Time Period
Face Info Statistic Graph	Bar Graph, Pie Chart
STORAGE	
HDD Interface	SATA x 2, Max 18T per HDD
BACKUP	
Network Backup	Yes
Local Backup	USB Flash Drive, USB Mobile HDD
NETWORK	
Interface	RJ45 10 / 100 / 1,000 Mbps x 2
Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPs, 802.1x
EXTERNAL INTERFACE	
RS 485	Yes (Full-Duplex), Connect to PTZ keyboard
Reset	Yes
Remote Controller	Optional
USB	USB 2.0 x 2, USB 3.0 x 1

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SPECIFICATIONS

GENERAL	
Smart Analytic	Support with xHN Series Cameras (available features depend on camera model)
Smart Event	People/Vehicle Detection, Line Crossing, Object Abandonment, People Counting, Region Entrance, Crowd Density
License Plate Recognition	Supported on v1.4.4 (used with the AVC-NBL21M-L1)
Fisheye Dewarping	Supported on v1.4.4 (used with the AVC-NBL21M-L1)
Facial Recognition	Supported (used with the AVC-PHN61FLT)
Power Supply	Supported (used with the latest xHN Series Cameras)
Power Consumption	≤10W (Without HDD)
Working Environment	14F ~ 122F (-10 ~ 50C), 10% ~ 90% humidity
Dimensions	14.97” x 10.56” x 1.78” (380mm x 268mm x 45mm)

HDD OPTIONS

- 1TB HDD: AVR-NN816E2N-FD-1T
- 2TB HDD: AVR-NN816E2N-FD-2T
- 3TB HDD: AVR-NN816E2N-FD-3T
- 4TB HDD: AVR-NN816E2N-FD-4T
- 6TB HDD: AVR-NN816E2N-FD-6T
- 8TB HDD: AVR-NN816E2N-FD-8T
- 12TB HDD: AVR-NN816E2N-FD-12T
- 16TB HDD: AVR-NN816E2N-FD-16T
- 18TB HDD: AVR-NN816E2N-FD-18T
- 20TB HDD: AVR-NN816E2N-FD-20T
- 24TB HDD: AVR-NN816E2N-FD-24T
- 28TB HDD: AVR-NN816E2N-FD-28T
- 32TB HDD: AVR-NN816E2N-FD-32T
- 36TB HDD: AVR-NN816E2N-FD-36T
- 42TB HDD: AVR-NN816E2N-FD-42T
- 48TB HDD: AVR-NN816E2N-FD-48T
- 56TB HDD: AVR-NN816E2N-FD-56T
- 64TB HDD: AVR-NN816E2N-FD-64T

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