

# AVR-NN816P16

16 CH. 4K UHD NETWORK  
VIDEO RECORDER



## H.265 4K UHD NETWORK VIDEO RECORDER

8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P

16 PORT POE NVR

### FUNCTION

- Supports up to 16 Channels 8MP / 5MP / 4MP / 3MP / 1080P 960P / 720P IP Camera video input
- Supports H.265 High Profile Compression with Up to 50% Savings in bandwidth over H.264
  - Intuitive and User-Friendly Graphic User Interface (GUI)
  - True 4K HDMI Output Display
- Multi-Mode Recording: Manual / Scheduled / Motion & Sensor
  - Playback: 16 Channels Simultaneous Playback
- Search: Time Slice, Time, Event, Tag, Smart and Target Database Search
  - 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
- 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
  - NDA A Compliant

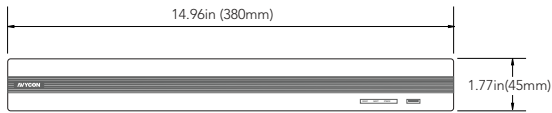


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### DIMENSIONS



### REAR PANEL



### AVAILABLE HDD OPTIONS

- 1TB HDD: AVR-NN816P16-1T
- 2TB HDD: AVR-NN816P16-2T
- 3TB HDD: AVR-NN816P16-3T
- 4TB HDD: AVR-NN816P16-4T
- 6TB HDD: AVR-NN816P16-6T
- 8TB HDD: AVR-NN816P16-8T
- 12TB HDD: AVR-NN816P16-12T
- 16TB HDD: AVR-NN816P16-16T
- 18TB HDD: AVR-NN816P16-18T
- 20TB HDD: AVR-NN816P16-20T
- 24TB HDD: AVR-NN816P16-24T
- 28TB HDD: AVR-NN816P16-28T
- 36TB HDD: AVR-NN816P16-36T

### MOBILE APP

AVYCON Mobile CVMS



### DESCRIPTION AVR-NN816P16

Network Video Input	16 Channels IPC input
Network Video Input Resolution	8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 1280×1024 / 960P / 720P / 960H / D1 / CIF
Main Display Output	3840×2160, 1920×1080, 1280×1024, 1024×768
Multi-screen Display Output	No
Video Compression	Smart H.265 / H.265+ / H.265 / H.264
Network Audio Input	16CH IPC audio input
Local Audio Output	RCA ×1
2-Way Audio	RCA ×1
HDMI Audio Output	Yes
Compression	G.711 (U/A)
Recording Resolution	8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 1280×1024 / 960P / 720P / 960H / D1 / CIF
Frame Rate	NTSC: 30fps; PAL: 25fps
Record Stream	Dual Stream Recording
Recording Mode	Manual, Motion, Sensor, Always/Schedule, AI, POS
Simultaneous Playback	Max. 16 Channels
Search	Time slice / Time / Event / Tag Search / Smart Search
Smart Search	Highlighted color to display the camera record in a certain period of time, different colors refers to different record events
Function	Play, Pause, FF, FB, Digital Zoom, etc.
Alarm Mode	Manual, Sensor, Motion, Exception, Smart Events
Alarm Input	Supports IPC alarm input
Alarm Output	Supports IPC alarm output
Alarm Trigger	Record, Snap, Preset, E-mail, Push Texts, etc.
HDD Interface	SATA3.0 x2, max 10TB per HDD
E-SATA Interface	No
RAID	No
Cloud	No
Local Backup	USB Flash Drive (FAT32), USB mobile HDD
Network Backup	Yes
Network Interface	RJ45 10 / 100 / 1,000 Mbps x 1
Protocol	TCP/IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPS, 802.1x, ONVIF, etc.
Incoming Bandwidth (Mbps)	96 Mbps
	*When the AI function of the IP is enabled, the actual incoming bandwidth(max.bitrate) is higher than the set value in the NVR*
Outgoing Bandwidth (Mbps)	96 Mbps
Web Browser	IE (Plug-in required) / Google Chrome / Edge / Firefox / Safari
Online Connection	Max. 10 users access
Mobile Device Viewer (App)	AVYCON Mobile CVMS
HDMI	HDMI ×1: 3840×2160, 1920×1080, 1280×1024, 1024×768
VGA	VGA ×1: 1920×1080, 1280×1024, 1024×768
USB	USB 2.0 ×2
PoE	PoE Ports: RJ45 100M ×16 ; Standards: IEEE802.3.AF/AT; Output Powers: ≤150W
Audio In	RCA ×1
Audio Out	RCA ×1
Alarm In	No
Alarm Out	No
Sensor	No
RS 485	No
Remote Controller	Optional
Hardware Reset	No
Remote Monitoring	Web Browser Interface, Mobile App, AVYCON CVMS 2.0
General Event	Motion, Sensor, Combination alarm, IPC Offline, Exception alarm
Smart Analytics (AI by IPC)	Intrusion detection, Line crossing detection, Face detection and recognition, License plate detection and recognition, Object abandoned/missing detection, Target counting human/motor vehicle/non-motor vehicle by Line crossing, Tamper detection License plate detection and recognition Supported on v1.4.4 (used with the AVC-NBL21M-L1 & AVC-NBL41M-L1)
Video Metadata	Human/Vehicle classification
Fisheye	Supports fisheye dewarping via Web Client, CVMS software, and mobile APP
Power Supply	DC48V / 3.75A
Power Consumption	≤10W (without HDD)
Operating Environment	14°F ~ 122°F (-10°C ~ 50°C) Humidity: 10% ~ 90% (non-condensing)
Dimensions	14.96" × 10.55" × 1.77" (380mm × 268mm × 45mm)
Certificate	CE, FCC
Environment Protection	Complies with Directive EU RoHS, REACH and WEEE



**AVYCON**<sup>®</sup>

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