

# AVR-NN816P16C-FD

32 CH. 4K UHD NETWORK  
VIDEO RECORDER



## H.265 4K UHD NETWORK VIDEO RECORDER

12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P HD PoE NVR

16 PORT POE NVR

### FUNCTION

- Support 32CH 12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF IPC Input
  - Supports H.265S/H.265+/H.265/H.264
- Intuitive and User-Friendly Graphic User Interface (GUI), Windows style operation by mouse
- Multi-type recording: manual / timed / motion / sensor / POS / AI recording
  - Playback: 16 Channels Simultaneous Playback
- Search: Time Slice, Time, Event, Tag, Smart and Target Database Search
  - Support face detection and comparison
- Support multiple VCA (Video Content Analytics) events, such as object abandoned/missing, region intrusion, tripwire, video exception, etc.
  - Support license plate recognition
- Support POS information overlay on live view and playback
- Pentaplex: preview, record, playback, backup and remote access
- Supports DHCP, DDNS, PPPoE and various other Network Protocols
  - Compatible with third-party IPCs, such as ONVIF, Hikvision, etc.
- Remote Access via Web Interface or AVYCON CVMS: preview, playback, backup, PTZ, and System Configuration
  - Support 16CH PoE IPC direct connection to NVR via PoE ports
    - Multi-user online simultaneously
  - Authorization management, log view and device status view
    - 4K output, true high resolution display
- Support PTZ preset and auto cruise, up to 255 presets and 8 cruises
  - Support NAT function and QRCode scanning by mobile phones
- Powerful mobile surveillance by smart phones with iOS and Android OS



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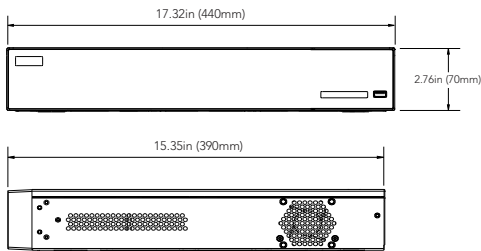
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# AVR-NN816P16C-FD

## 16 CH. 4K UHD NETWORK VIDEO RECORDER



### DIMENSIONS



### REAR PANEL



### AVAILABLE HDD OPTIONS

- 1TB HDD: AVR-NN816P16C-FD-1T
- 2TB HDD: AVR-NN816P16C-FD-2T
- 3TB HDD: AVR-NN816P16C-FD-3T
- 4TB HDD: AVR-NN816P16C-FD-4T
- 6TB HDD: AVR-NN816P16C-FD-6T
- 8TB HDD: AVR-NN816P16C-FD-8T
- 12TB HDD: AVR-NN816P16C-FD-12T
- 16TB HDD: AVR-NN816P16C-FD-16T
- 18TB HDD: AVR-NN816P16C-FD-18T
- 20TB HDD: AVR-NN816P16C-FD-20T
- 24TB HDD: AVR-NN816P16C-FD-24T
- 28TB HDD: AVR-NN816P16C-FD-28T
- 32TB HDD: AVR-NN816P16C-FD-32T
- 36TB HDD: AVR-NN816P16C-FD-36T
- 42TB HDD: AVR-NN816P16C-FD-42T
- 48TB HDD: AVR-NN816P16C-FD-48T
- 56TB HDD: AVR-NN816P16C-FD-56T
- 64TB HDD: AVR-NN816P16C-FD-64T
- 72TB HDD: AVR-NN816P16C-FD-72T

### MOBILE APP

AVYCON Mobile CVMS



### DESCRIPTION AVR-NN816P16C-FD

OS	Embedded Linux
Video Compression	H.265S/H.265+/H.265/H.264
IP Video Input	32CH IPC input
IP Video Input Resolution	12MP / 8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 1280 x 1024 / 960P / 720P / 960H / D1 / CIF
Incoming Bandwidth (Mbps)	192Mbps
Outgoing Bandwidth (Mbps)	192Mbps
Output	HDMI1 : 3840 x 2160/1920 x 1080 / 1280 x 1024 / 1024 x 768 HDMI2 : 1920 x 1080 / 1280 x 1024 / 1024 x 768 VGA x1 : 1920 x 1080 / 1280 x 1024 / 1024 x 768 VGA and HDMI1 output the same video source
Multi-screen Display	Main output: 1/4/6/8/9/13/16/25/32/36 (live view) AUX output: 1/4/6/8/9 (live view) Max. 32+9CH local live view
Network Input	32 CH IPC audio input
Local Audio Output	RCA x 1
2-Way Audio	RCA x 1
Compression	G.711(U/A)
Recording Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF
Frame Rate	12MP: 20fps; 8MP or lower resolution: NTSC: 30fps; PAL: 25fps
Record Stream	Dual Stream Recording
Simultaneous Playback	Max 16 Channels
Search	Time slice / time / event / tag / 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.
Live View/Playback	1CH 12MP/4CH 1080P
Alarm Mode	Manual, Sensor, Motion, Exception
Alarm Input	16 CH local alarm input
Alarm Output	4 CH
Alarm Triggering	Record, Snap, Preset, E-Mail, Etc.
HDD Interface	SATA x 4, Max 18TB per HDD
E-SATA Interface	E-SATA x 1
Local Backup	U disk, USB mobile HDD
Network Backup	Yes
Network Interface	RJ 45 1000 Mbps x 2
Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPS, 802.1x
Client Connection	RJ 45 1000 Mbps x 2
OS	iOS, Android
RS 485	Yes (full-duplex), connect to PTZ or keyboard
USB	USB 3.0 x 1 ; USB 2.0 x 2
Remote Controller	Optional
PoE Port	RJ45 x 16
Standard	IEEE802.3AF/AT
Output Power	≤ 150W
Face Detection Performance (AI by IPC)	32CH
Face Detection Performance (AI by Device)	2CH
Face Match Performance	6CH
Comparison Capability	18 pictures / second
Face Picture Database	32 libraries
	10000 Face Pictures
Face Picture Search	Search by picture is supported
Database Management	Add, modify, delete and search face pictures
Face Picture Comparison	Add face pictures through APP, WEB and external import
Track	Support successful face recognition alarm and stranger match alarm
Statistical Graph of Information	Track display on a map
Statistical Mode of Information	Bar graph
Human/Vehicle Classification	Statistics by day, week, month, quarter as well as customized time period
Fisheye	Yes
Fisheye Dewarping	Supports fisheye dewarping via Web Client and mobile APP
Plate Recognition (AI by IPC)	Supported (used with the AVC-PNN61FLT)
License Plate Recognition	Yes
	Supported on v1.4.4 (used with the AVC-NBL21M-L1 & AVC-NBL41M-L1)
Power Supply	ATX 300W(PoE)
Power Consumption	≤ 20W ( without HDD and PoE power supply )
Dimensions	17.32" x 15.35" x 2.76" (390mm x 440mm x 70mm)
Operating Environment	-14°~122°F (-10°~50° Celcius) 10% ~ 90% humidity
Certificate	CE, FCC
Environmental Protection	Complies with Directive EU RoHS, REACH and WEEE



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