

# AVR-HN516E2N-FD

16 CH. 8MP NETWORK  
VIDEO RECORDER



## H.265 8MP NETWORK VIDEO RECORDER

8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 720P

DUAL NIC / NON-POE NVR

### FUNCTION

- Supports up to 16 Channels 8MP / 6MP / 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)
  - 4K HDMI Output
- Multi-Mode Recording: Manual / Scheduled / Motion / Alarm / AI (Video Analytics)
  - Playback: 16 Channels Simultaneous Playback
- Search: Time Slice, Time, Event, Tag, Smart and Target Database Search
- 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, Hikvision, and Others
  - 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)

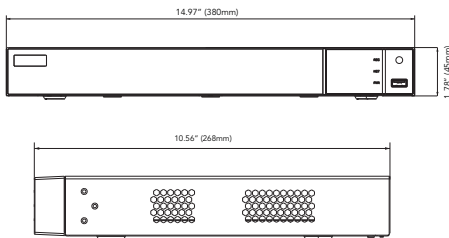


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## 16 CH. 8MP NETWORK VIDEO RECORDER



### DIMENSIONS



### REAR PANEL



### AVAILABLE HDD OPTIONS

- 1TB HDD: AVR-HN516E2N-FD-1T
- 2TB HDD: AVR-HN516E2N-FD-2T
- 3TB HDD: AVR-HN516E2N-FD-3T
- 4TB HDD: AVR-HN516E2N-FD-4T
- 6TB HDD: AVR-HN516E2N-FD-6T
- 8TB HDD: AVR-HN516E2N-FD-8T
- 12TB HDD: AVR-HN516E2N-FD-12T
- 16TB HDD: AVR-HN516E2N-FD-16T
- 18TB HDD: AVR-HN516E2N-FD-18T
- 20TB HDD: AVR-HN516E2N-FD-20T
- 24TB HDD: AVR-HN516E2N-FD-24T
- 28TB HDD: AVR-HN516E2N-FD-28T
- 32TB HDD: AVR-HN516E2N-FD-32T
- 36TB HDD: AVR-HN516E2N-FD-36T
- 42TB HDD: AVR-HN516E2N-FD-42T
- 48TB HDD: AVR-HN516E2N-FD-48T
- 56TB HDD: AVR-HN516E2N-FD-56T
- 64TB HDD: AVR-HN516E2N-FD-64T

### MOBILE APP

AVYCON Mobile CVMS



### DESCRIPTION AVR-HN516E2N-FD

|                                   |  |
|-----------------------------------|--|
| 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<br>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   |
| Network Input                     | 16 Channel IPC Audio Input   |
| Local Output                      | RCA x 1  |
| 2-Way Audio                       | RCA x 1  |
| Audio Compression                 | G.711 (U/A)  |
| 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  |
| 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 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 Detection (Camera Detection) | 16 Channels  |
| Face Detection (NVR Detection)    | 32 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   |
| HDD Interface                     | SATA x 2, Max 18T per HDD  |
| Network Backup                    | Yes  |
| Local Backup                      | USB Flash Drive, USB Mobile HDD  |
| Interface                         | RJ45 10 / 100 / 1,000 Mbps x 2   |
| Protocol                          | TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPS, 802.1x   |
| 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   |
| Smart Analytics                   | Support with xHN Series Cameras (available features depend on camera model)  |
| Smart Events                      | 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 (used with the AVC-PHN61FLT)   |
| Facial Recognition                | Supported (used with the latest xHN Series Cameras)  |
| Power Supply                      | DC12V/4A   |
| 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)   |



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phone: 949-752-7606 / 888-833-4611 (Canada Toll-Free)

email: [info@avycon.com](mailto:info@avycon.com)

social: [@avycon\\_aivo](https://www.instagram.com/avycon_aivo)

website: [avycon.com](http://avycon.com)