

# AVR-NU816P16

NDA  
COMPLIANT | CE | FC

16 CH. 4K UHD NETWORK VIDEO RECORDER  
8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P /  
16 PORT PoE NVR

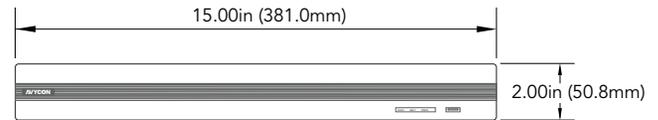


## OVERVIEW

- 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
- NDAA Compliant

## DIMENSIONS

Unit : inch(mm)



## MOBILE APP

AVYCON MOBILE CVMS



## REAR PANEL



## SPECIFICATIONS

|                           |  |
|---------------------------|--|
| <b>VIDEO</b>              |  |
| 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) | 112Mbps  |
| Outgoing Bandwidth (Mbps) | 112Mbps  |
| Video Compression         | Standard H.264 / H.265   |
| <b>AUDIO</b>              |  |
| Network Input             | 16 Channel IPC Audio Input   |
| Local Output              | RCA x 1  |
| 2-Way Audio               | RCA x 1  |
| <b>RECORDING</b>          |  |
| Resolution                | 8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P  |
| Frame Rate                | 30 fps (NTSC) / 25 fps (PAL)   |
| Record Stream             | Dual Stream Recording  |
| <b>PLAYBACK</b>           |  |
| 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  |
| <b>ALARM</b>              |  |
| Alarm Input               | IPC Alarm Input Supported  |
| Alarm Output              | IPC Alarm Output Supported   |
| Mode                      | Manual, Sensor, Motion, Exception  |
| Alarm Trigger             | Record, Snap, Preset, E-mail, etc.   |
| <b>STORAGE</b>            |  |
| HDD Interface             | SATA x 2, Max 10TB per HDD   |
| <b>BACKUP</b>             |  |
| Network Backup            | Yes  |
| Local Backup              | USB Flash Drive, USB Mobile HDD  |
| <b>NETWORK</b>            |  |
| Interface                 | RJ45 10 / 100 / 1,000 Mbps   |
| PoE Port                  | RJ45 x 16  |
| Protocol                  | TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPS, 802.1x   |
| <b>EXTERNAL INTERFACE</b> |  |
| Remote Controller         | Optional   |
| USB                       | USB 2.0 x 1 (Front Panel), USB 3.0 x 1 (Rear Panel)  |
| <b>VIDEO ANALYTICS</b>    |  |
| License Plate Recognition | Supported on v1.4.4 (used with the AVC-NBL21M-L1 & AVC-NBL41M-L1)  |
| <b>GENERAL</b>            |  |
| Power Supply              | DC 48V   |
| Power Consumption         | ≤15W (Without HDD)   |
| Working Environment       | -4°~122°F (-20°~50° Celcius)   |
| Working Humidity          | 10% ~ 90% (Non-Condensing)   |
| Dimensions                | 15.00" x 10.50" x 2.00"(381.0mm x 266.7mm x 50.8mm)  |

## HDD OPTIONS

- 1TB HDD: AVR-NU816P16-1T
- 2TB HDD: AVR-NU816P16-2T
- 3TB HDD: AVR-NU816P16-3T
- 4TB HDD: AVR-NU816P16-4T
- 6TB HDD: AVR-NU816P16-6T
- 8TB HDD: AVR-NU816P16-8T
- 12TB HDD: AVR-NU816P16-12T
- 16TB HDD: AVR-NU816P16-16T
- 18TB HDD: AVR-NU816P16-18T
- 20TB HDD: AVR-NU816P16-20T
- 24TB HDD: AVR-NU816P16-24T
- 28TB HDD: AVR-NU816P16-28T
- 36TB HDD: AVR-NU816P16-36T