

AVR-NT816A

16 CH 4K UHD DIGITAL
VIDEO RECORDER

NDA
COMPLIANT



H.265 4K UHD DIGITAL VIDEO RECORDER

4K / 5MP / 4MP / 3MP / 1080P / 720P

4K HD OVER COAX & UTP

FUNCTION

- Supports Up to 16 CH TVI/AHD/CVI/8MP/5MP/4MP/3MP/1080P/720P/WD1 video input
- Supports 8CH 8MP/5MP/4MP/3MP/1080P/960P/720P IP video input
 - Standard H.265 high profile compression format
 - Intuitive and user-friendly Graphic User Interface (GUI)
- Multiple Recording Modes: Manual, Scheduled, Motion, and Sensor
 - Playback: 8 Channels Simultaneous Playback
- Search: Search by Time Slice, Time, Event (Manual, Sensor, Motion), Tag Search
 - Quick and Intuitive Backup via USB and Network
- Pentaplex Operation: Can simultaneously allow Preview, Record, Playback, Backup and Remote Access from Different Users
- Network functions such as DHCP, DDNS, PPPoE protocols supported and also access with CMS clients.
- Remote Access using Internet Explorer/Safari or CVMS: Live Preview, 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 by Mobile Apps, Eliminating the need to Configure Port Forwarding
 - Powerful Mobile Apps on iOS and Android
 - NDA Compliant



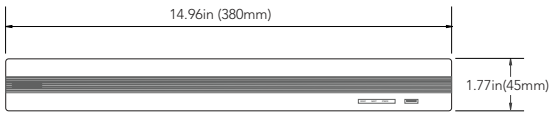
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DIMENSIONS



REAR PANEL



AVAILABLE HDD OPTIONS

- 1TB HDD: AVR-NT816A-1T
- 2TB HDD: AVR-NT816A-2T
- 3TB HDD: AVR-NT816A-3T
- 4TB HDD: AVR-NT816A-4T
- 6TB HDD: AVR-NT816A-6T
- 8TB HDD: AVR-NT816A-8T
- 12TB HDD: AVR-NT816A-12T
- 16TB HDD: AVR-NT816A-16T
- 18TB HDD: AVR-NT816A-18T
- 20TB HDD: AVR-NT816A-20T
- 24TB HDD: AVR-NT816A-24T
- 28TB HDD: AVR-NT816A-28T
- 32TB HDD: AVR-NT816A-32T
- 36TB HDD: AVR-NT816A-36T

MOBILE APP

AVYCON Mobile CVMS



DESCRIPTION AVR-NT816A

| | |
|-------------------------------|---|
| Video Input (Analog + IP) | Total: 24CH Analog: 16CH IP: 8CH (16CH max. IPC supported by converting Analog channels to IP channels) |
| Analog Video Input Resolution | TVI/AHD/CVI: 4K, 5MP, 4MP, 3MP, 1080P, 720P, WD1 (live) |
| IP Video Input Resolution | Max. 8MP |
| Main Display Output | 3840×2160, 1920×1080, 1280×1024 |
| Multi-screen Display Output | Main output: 1/4/6/8/9/16/25 (live view) BNC (CVBS): 1 (live view) |
| Video Compression | H.265+ / H.265 / H.264 |
| Local Audio Input | RCA x8 |
| Local Audio Output | RCA x1 (linear, 600Ω) |
| 2-way Audio Compression | Takes up one audio input channel G.711 (U/A) |
| Recording Resolution | 4K / 4K Lite / 5MP / 5MP Lite / 4MP / 4MP Lite / 3MP / 1080P / 720P / WD1 / D1 |
| Frame Rate | Analog Channel: PAL: 4K@8fps / 4K Lite@12fps / 5MP@12fps / 5MP Lite@20fps / 4MP@12fps / 4MP Lite@25fps / 3MP@12fps / 1080P@25fps / 720P@25fps / WD1@25fps / D1@25fps; NTSC: 4K@8fps / 4K Lite@15fps / 5MP@12fps / 5MP Lite@20fps / 4MP@15fps / 4MP Lite@30fps / 3MP@15fps / 1080P@30fps / 720P@30fps / WD1@30fps / D1@30fps IP Channel: PAL: 8MP@25fps; NTSC: 8MP@30fps |
| Bit Rate | 32Kbps ~ 5Mbps |
| Recording Mode | Manual, Motion, Sensor, Always/Schedule, AI, POS |
| 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. |
| Alarm Mode | Manual, Motion, Exception, Sensor, Smart Events |
| Alarm Input | 16CH local alarm input |
| Alarm Output | 4CH local alarm output |
| Alarm Trigger | Record, Snap, Preset, E-mail, Push Texts, etc. |
| HDD Interface | SATA x2, max 18TB per HDD |
| E-SATA Interface | E-SATA x1, max 8TB |
| RAID | No |
| Cloud | No |
| Local Backup | USB Flash Drive (FAT32), USB mobile HDD |
| Network Backup | Yes |
| Network Interface | RJ45 10 / 100 / 1,000 Mbps x1 |
| Protocol | TCP/IP, IPv4/IPv6, PPPoE, DHCP, DNS, DDNS, UPnP, HTTP, HTTPS, NTP, SMTP, etc. |
| Incoming Bandwidth (Mbps) | 32 Mbps (max. 64Mbps) |
| 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 x1: 3840×2160, 1920×1080, 1280×1024 |
| VGA | VGA x1: 1920×1080, 1280×1024 |
| USB | USB 2.0 x1; USB 3.0 x1 |
| Audio In | RCA x8 |
| Audio Out | RCA x1 |
| Alarm In | 8CH local alarm input |
| Alarm Out | 2CH local alarm output |
| Sensor | No |
| RS 485 | Yes (half-duplex), connect to PTZ or keyboard |
| Remote Controller | Optional |
| Hardware Reset | No |
| Remote Monitoring | Web Browser Interface, Mobile App, AVYCON CVMS 2.0 |
| General Event | Motion, IPC Offline, Exception alarm |
| Smart Analytics (AI by IPC) | Intrusion detection, Line crossing detection, Object abandoned/missing detection, Tamper detection |
| Power Supply | DC12V / 4A |
| Power Consumption | ≤30W (without HDD) |
| Operating Environment | 14°F ~ 122°F (-10°C ~ 50°C) Humidity: 10% ~ 90% (non-condensing) |
| Dimensions (in) | 14.96" × 10.55" × 1.77" (380mm × 268mm × 45mm) |
| Certificate | CE, FCC |
| Environmental Protection | Complies with Directive EU RoHS, REACH and WEEE |



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