



# AVR-NU816P16

NDAA  
COMPLIANT | CE | FCC

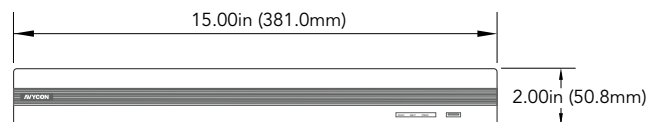
16 CH. 4K UHD NETWORK VIDEO RECORDER  
8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P /  
16 PORT PoE NVR

## 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

VIDEO	
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 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)	112
Outgoing Bandwidth (Mbps)	112
Video Compression	Standard H.264 / H.265
AUDIO	
Network Input	16 Channel IPC Audio Input
Local Output	RCA x 1
2-Way Audio	RCA x 1
RECORDING	
Resolution	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P
Frame Rate	30 fps (NTSC) / 25 fps (PAL)
Record Stream	Dual Stream Recording
PLAYBACK	
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
ALARM	
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.
STORAGE	
HDD Interface	SATA x 2, Max 10TB per HDD
BACKUP	
Network Backup	Yes
Local Backup	USB Flash Drive, USB Mobile HDD
NETWORK	
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
EXTERNAL INTERFACE	
Remote Controller	Optional
USB	USB 2.0 x 1 (Front Panel), USB 3.0 x 1 (Rear Panel)
VIDEO ANALYTICS	
License Plate Recognition	Supported on v1.4.4 (used with the AVC-NBL21M-L1 & AVC-NBL41M-L1)
GENERAL	
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