

# AVR-HT816A

16 CH 4K UHD DIGITAL  
VIDEO RECORDER



## H.265 4K UHD DIGITAL VIDEO RECORDER

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

DUAL NIC / NON-POE NVR

### FUNCTION

- Supports Up to 8 Cameras at 4K / 5MP / 4MP / 3MP / 1080P / 960P / 720P Resolution (32 BNC + 32 IPC)
- Supports H.265 Compression (High Profile), which allows for Higher Quality Picture and a Lower Bitrate Compared to H.264
- Intuitive and User-Friendly Graphic User Interface (GUI) with Full Operation by Mouse
  - Multiple Recording Modes: Manual, Scheduled, Motion and Sensor
    - Supports Hardware RAID: RAID0, RAID1, RAID5, RAID6, RAID10
      - Playback: 16 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
  - Dual Network Ports allow Optimizing Bandwidth and creating a Separate Network for IP Camera Streams
- 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
  - Supports Multiple Online Users
    - User Management, Log Viewing and Device Status
    - True HDMI 4K Output Display, Dual HDMI Display
- NAT and QR Code Functionality allows Remote Access with Mobile Devices and Computers without the need for Port-Forwarding
  - Powerful Mobile Apps for Mobile Devices and Tablets Available on iOS and Android® OS

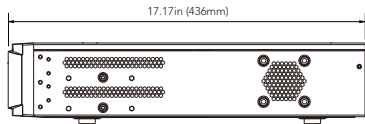
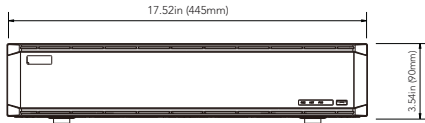


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## 16 CH 4K UHD DIGITAL VIDEO RECORDER



### DIMENSIONS



### REAR PANEL



### AVAILABLE HDD OPTIONS

- 1TB HDD: AVR-HT816A-1T
- 2TB HDD: AVR-HT816A-2T
- 3TB HDD: AVR-HT816A-3T
- 4TB HDD: AVR-HT816A-4T
- 6TB HDD: AVR-HT816A-6T
- 8TB HDD: AVR-HT816A-8T
- 12TB HDD: AVR-HT816A-12T
- 16TB HDD: AVR-HT816A-16T
- 20TB HDD: AVR-HT816A-20T
- 24TB HDD: AVR-HT816A-24T
- 28TB HDD: AVR-HT816A-28T
- 32TB HDD: AVR-HT816A-32T
- 36TB HDD: AVR-HT816A-36T
- 42TB HDD: AVR-HT816A-42T
- 48TB HDD: AVR-HT816A-48T
- 56TB HDD: AVR-HT816A-56T
- 64TB HDD: AVR-HT816A-64T

### MOBILE APP

AVYCON Mobile CVMS



# AVYCON<sup>®</sup>

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

### DESCRIPTION AVR-HT816A

Video Input 16 Channels  
Output HDMI1: 3840 x 2160 / 1920 x 1080 / 1280 x 1024  
HDMI2 / VGA x 1: 1920 x 1080 / 1280 x 1024 / 1024 x 768  
HD-Analog Input Resolution 8MP / 8MP Lite / 5MP / 5MP Lite / 4MP / 4MP Lite / 3MP / 1080P / 720P / WD1 / D1  
IP Input Resolution 8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P  
Incoming Bandwidth (Mbps) 160 (Max 320)  
Outgoing Bandwidth (Mbps) 320  
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  
HDMI Audio Output Yes  
Compression G.711(U/A)

Resolution 8MP / 8MP Lite / 5MP / 5MP Lite / 4MP / 4MP Lite / 3MP / 1080P / 720P / WD1 / D1  
Channels 8MP @8fps / 8MP Lite @12fps(PAL) & 15fps(NTSC) / 5MP @12fps / 5MP Lite @20fps / 4MP & 3MP @ 12fps(PAL) & 15fps(NTSC) 4MP Lite / 1080P / 720P / WD1 / D1 @25fps(PAL) & 30fps(NTSC)

Frame Rate 25fps(PAL) / 30fps(NTSC)  
Bit Rate 32Kbps ~ 10Mbps  
Record Stream Dual Stream Recording  
Mode Manual, Timer, Alarm Linkage

Smart Search Highlight Colors to Display Camera Record in a certain period of time, Different Colors refer to Different Record Events  
Search Time slice / Time / Event / Tag Search / Smart Search  
Function Play, Pause, Fast Forward, Fast Rewind, Digital Zoom, etc.  
Simultaneous Playback Max 4 Channels  
Live/Playback 1 Channel @ 8MP / 16 Channels 1080P @ 30FPS

Alarm Input 16 Channels Local Alarm Input; IPC Alarm Input Supported  
Alarm Output 16 Channels  
Alarm Trigger Record, Snap, Preset, E-mail, Buzzer, etc.

HDD Interface SATA x 8, Max 8T per HDD; e-SATA x 1  
RAID Type RAID0, 1, 5, 6, 10

Network Backup Yes  
Local Backup USB Flash Drive, USB Mobile HDD

Interface RJ45 1,000 Mbps x 2  
Protocol TCP/ IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPs, ONVIF

RS-485 Yes (Full-Duplex), Connect to PTZ or Keyboard  
Reset Yes  
Remote Controller Optional  
USB USB 2.0 x 2, USB 3.0 x 1

Power Supply ATX 250W  
Power Consumption ≤70W (Without HDD)  
Working Environment 14°~122°F (-10°~50° Celcius)  
Working Humidity 10%~90% (Non-Condensing)  
Dimensions 17.52" x 3.54" x 17.17" (445mm x 90mm x 436mm)