

# AVR-DSV816H AI

NDAA COMPLIANT |  TAA COMPLIANT | CE | FC

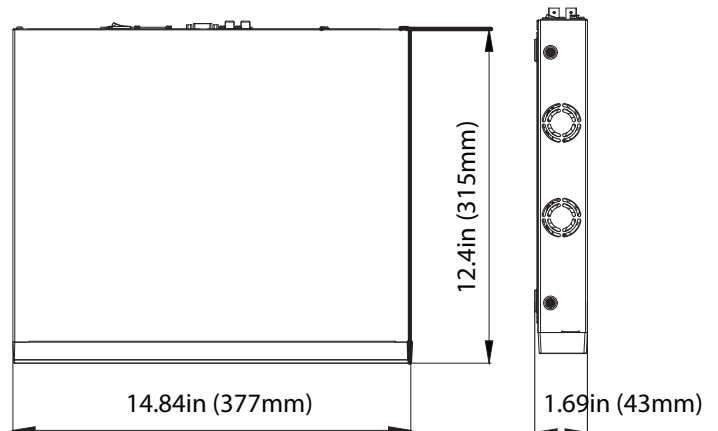
16 CH. 4K UHD DIGITAL VIDEO RECORDER  
8MP / 5MP / 4MP / 1080P / 960P / 720P / 4K HD OVER COAX & UTP

## OVERVIEW

- H.265 codec decoding
- Max. 192Mbps(16CH) input bandwidth
- Up to 8MP(4K) resolution for preview and playback
- Support to install up to 2 HDD, max total capacity of up to 32TB
- Full function network remote view via Internet (CMS, IE/Firefox/- Chrome, Mac Safari)
- No limitation on adding devices to CMS, max. 128 channels preview (CMSONE)
- Support scan P2P QR code to connect DVR via Mobile app (AVY Mobile One)
- Support to save pictures/video to Dropbox storage (Dropbox)
- Support to save pictures/video to FTP server (built by user)
- VGA/HDMI output up to 4K resolution
- Support HDD S.M.A.R.T. Monitoring
- Optional e-SATA HDD recording
- Ability to convert up to 16 analog channels to have in total 24 IP channels (Total Bandwidth 192mbps)

## DIMENSIONS

Unit : inch(mm)



## MOBILE APP

AVY MOBILE ONE



## REAR PANEL



## SPECIFICATIONS

| VIDEO                     |   |
|---------------------------|---|
| Analog Video Input        | 16CH Input  |
| IP Video Input            | 8CH, (Only IP up to 24CH)   |
| Total Video Input         | 24CH, (Analog + IP)   |
| Output                    | HDMI x 1 / 3840 x 2160(4K) / 2560 x 1440(2K) / 1920 x 1080 / 1440 x 900 / 1280 x 1024 / 1280 x 720 / 1024 x 768<br>VGA x 1: 1920 x 1080 / 1440 x 900 / 1280 x 1024 / 1280 x 720 / 1024 x 768<br>BNC x1: 704 x 576 |
| Incoming Bandwidth (Mbps) | 64Mbps~192Mbps  |
| Outgoing Bandwidth (Mbps) | 192Mbps   |
| Video Compression         | H.264/H.265   |
| Audio Compression         | G.711a  |
| Installation Wizard       | Yes   |
| HD Analog                 | 8MP:15fps / 5MP:20fps / 4MP / 1080P / 960P:30fps  |
| IP                        | 4K / 4MP / 1080P / 720P   |
| PLAYBACK                  |   |
| Playback Frame Rate       | 8MP:144fps 5MP:240fps 4MP:320fps 1080P / 720P / NTSC:480fps (each CH)   |
| Smart AI                  | Intrusion Detection (ID), Tripwire Detection (TD), Human & Vehicle Detection (PD & VD), Face Detection (FD), Sound Detection (SD), Video Detection (VD)   |
| Event Triggers            | MD(Sensitivity Level 1~8), Video Loss, Beep, Email, Push Notification to Mobile App   |
| Playback Function         | Fast forward / backward (2x, 4x, 8x,16x), Slow forward (1/2x, 1/4x, 1/8x,1/16x)   |
| Playback                  | Max 16CH playback   |
| INTERFACE                 |   |
| Local UI                  | UI5.0   |
| Web Monitoring            | IE10/11, Safari V12.1 above, Firefox V.52 above, Chrome V.57 above, Edge V.79 above   |
| Mobile Viewer             | AVY Mobile One  |
| Push Notification         | Motion Event, AI, and Abnormal  |
| Password Reset            | Password Reset (Hold 3 seconds), Factory Reset (Press 8 seconds)  |
| HDD Interface             | SATA x 2, Max 32TB HDD (compatible up to 16TB each SATA)  |
| SYSTEM                    |   |
| PoE                       | N/A   |
| Ethernet                  | 1 x RJ45 100/1000 Base-T  |
| USB                       | USB 2.0 x 1 (Front Panel), USB 3.0 x 1 (Rear Panel)   |
| Audio                     | 16 IN / 1 OUT   |
| E-Sata                    | No  |
| RS485                     | 1   |
| Alarm Input/out           | 16 IN / 1 OUT   |
| GENERAL                   |   |
| OSD Language              | English and more  |
| Power Consumption         | 20W (Without HDD)   |
| Power Supply              | DC12V/5A  |
| Working Environment       | 32°~104°F (0°~40°C)   |
| Working Humidity          | Less than 90%RH (Non-Condensing)  |
| Dimensions                | 14.84" x 12.4" x 1.69" (377mm x 315mm x 43mm)   |

## SMART AI FEATURES

| AVR-DSV816H                       | Diversity DVR AI (IPC) | Diversity DVR AI (HD Analog) |
|-----------------------------------|------------------------|------------------------------|
| Intrusion Detection (ID)          | Yes                    | Yes                          |
| Tripwire Detection (TD)           | Yes                    | Yes                          |
| Human & Vehicle Detection (PD&VD) | Yes                    | Yes                          |
| Stationary Object Detection (SOD) | Yes                    | No                           |
| Face Detection (FD)               | Yes                    | Yes                          |
| Tripwire Counting (TC)            | Yes                    | No                           |
| Sound Detection (SD)              | Yes                    | Yes                          |
| Rare Sound Detection (RSD)        | Yes                    | No                           |
| Video Tampering (VD)              | Yes                    | Yes                          |
| License Plate Detection (LPD)     | Yes                    | No                           |
| Heatmap (HM)                      | Yes                    | No                           |
| Crowd Density Detection (CD)      | Yes                    | No                           |
| Queue Length Detection (QD)       | Yes                    | No                           |

## HDD OPTIONS

- 1TB HDD: AVR-DSV816H-1T
- 2TB HDD: AVR-DSV816H-2T
- 3TB HDD: AVR-DSV816H-3T
- 4TB HDD: AVR-DSV816H-4T
- 6TB HDD: AVR-DSV816H-6T
- 8TB HDD: AVR-DSV816H-8T
- 10TB HDD: AVR-DSV816H-10T
- 12TB HDD: AVR-DSV816H-12T
- 14TB HDD: AVR-DSV816H-14T
- 18TB HDD: AVR-DSV816H-18T