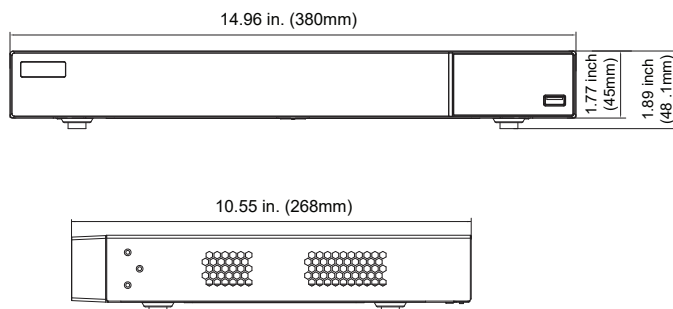# AVR-NT816A AI

NDAA COMPLIANT | CE | FC

16 CH 4K UHD DIGITAL VIDEO RECORDER
TVI/AHD/CVI 8MP / 5MP / 4MP / 1080P / 720P / WD1 video input

OVERVIEW

- 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
- NDAA Compliant

DIMENSIONS

Unit: (inch)mm

14.96 in. (380mm)

1.77 inch (45mm) 1.89 inch (48 .1mm)

10.55 in. (268mm)

MOBILE APP

AVY MOBILE ONE

Available on the App Store ANDROID APP ON Google play

REAR PANEL

SPECIFICATIONS

VIDEO	
Video Input (Analog + IP)	Total: 24 CH Analog: 16 CH IP: 8 CH (16 CH Max. IPC Supported When Converting Analog Channels)
Output	HDMI × 1 : 3840 × 2160 / 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA × 1 : 1920 × 1080 / 1280 × 1024 / 1024 × 768 BNC × 1 : CVBS (used as the main or spot output)
HD-Analog Input Resolution	TVI/AHD/CVI: 4K, 5MP, 4MP, 3MP, 1080P, 720P, WD1 (live)
IP Input Resolution	4K / 5MP / 4MP / 3MP / 1080P / 960P / 720P
Incoming Bandwidth (Mbps)	32 (Max 64)
Outgoing Bandwidth (Mbps)	96
Video Compression	Standard H.264 / H.265
AUDIO	
Network Input	16 Channel IPC Audio Input
Local Input	RCA x 8
Local Output	RCA x 1
2-Way Audio	Take up channel one audio input
HDMI Audio Output	Yes
Compression	G.711(U/A)
RECORDING	
Resolution	4K / 4K Lite / 5MP / 5MP Lite / 4MP / 4MP Lite / 3MP / 1080P / 720P / WD1 /D1
Frame Rate Channels	5MP Lite @20fps (NTSC/PAL) / 4MP & 3MP @ 15fps(NTSC) & 12fps(PAL) / 4MP Lite / 1080P / 720P / WD1 / D1 @30fps(NTSC) & 25fps(PAL)
Frame Rate	30fps(NTSC) / 25fps(PAL)
Bit Rate	32Kbps ~ 8Mbps
Record Stream	Dual Stream Recording
Mode	Manual, Timer, Motion, Sensor
PLAYBACK	
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
Function	Play, Pause, Fast Forward, Fast Rewind, Digital Zoom, etc.
Simultaneous Playback	Max 16 Channels
Live/Playback	1 Channel @ 8MP / 16 Channels 1080P @ 30FPS
ALARM	
Alarm Input	16 Channels Local Alarm Input; IPC Alarm Input Supported
Alarm Output	4 Channels
Alarm Trigger	Manual, Motion, Exception, Smart Event
STORAGE	
HDD Interface	SATA x 2, Max 18TB per HDD; e-SATA x 1
BACKUP	
Network Backup	Yes
Local Backup	USB Flash Drive, USB Mobile HDD
NETWORK	
Interface	RJ45 1,000 Mbps x 1
Protocol	TCP/ IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPs
EXTERNAL INTERFACE	
RS-485	Yes (Half-Duplex), Connect to PTZ or Keyboard
Remote Controller	Optional
USB	USB 2.0 x 2 (Front Panel), USB 2.0 x 1 (Rear Panel)
GENERAL	
Power Supply	DC 12V/4A
Power Consumption	≤30W (Without HDD)
Working Environment	14°~122°F (-10°~50° Celcius)
Working Humidity	10%~90% (Non-Condensing)
Dimensions	14.96" x 10.55" x 1.77" (380mm x 268mm x 45mm)

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