AVYCON®

AVR-NN8128E2N-FD AI

NDAA COMPLIANT | CE | FC
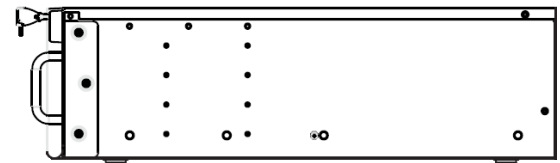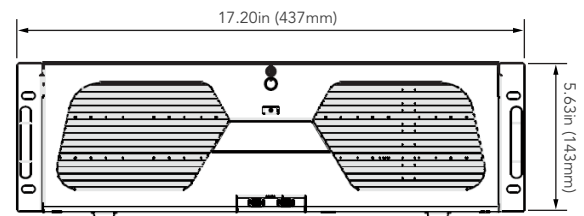
H.265 4K UHD 128CH NETWORK VIDEO RECORDER
16MP / 12MP / 8MP / 6MP / 5MP / 4MP / 3MP / 1080P /
1280x1024 / 960P / 720P / 960H / D1 / CIF IP INPUT

OVERVIEW

- Support 128CH 16MP / 12MP / 8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 1280x1024 / 960P / 720P / 960H / D1 / CIF IP input
- H.265S/H.265+/H.265/H.264 coding
- Multi-mode recording: manual / timed / motion / sensor / POS / AI recording
- Playback: 16 CH simultaneous playback
- Search: time slice, time, event, tag, smart and target database search
- Smart Analytics
- Support OS information overlay on live view and playback
- Support RAID 0, 1, 5, 6, 10
- Express and flexible backup via USB, network and so on
- Preview, record, playback, backup and remote access are supported
- Compatible with third-party IPCs, such as ONVIF, Hikvision, etc.
- Remote control via Web Client or CMS: preview, playback, backup, PTZ and configuration
- Multi-user online simultaneously
- Authorization management, log view and device status view
- 8K output, true high resolution display
- Support PTZ preset and auto cruise, up to 255 presets and 8 cruises
- Support NAT function and QR Code scanning by mobile phones
- Powerful mobile surveillance by smart phones with iOS and Android OS
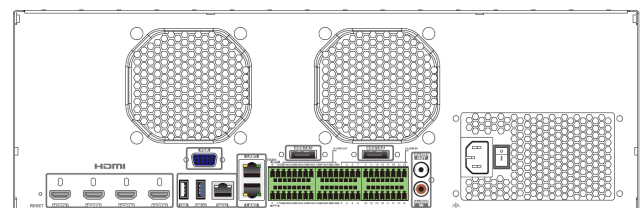
DIMENSIONS

Unit : in(mm)

17.20in (437mm)

5.63in (143mm)

MOBILE APP

AVYCON MOBILE CVMS

Available on the App Store | ANDROID APP ON Google play

HDD OPTIONS

- 1TB HDD: AVR-NN8128E2N-FD-1T
- 2TB HDD: AVR-NN8128E2N-FD-2T
- 3TB HDD: AVR-NN8128E2N-FD-3T
- 4TB HDD: AVR-NN8128E2N-FD-4T
- 6TB HDD: AVR-NN8128E2N-FD-6T
- 8TB HDD: AVR-NN8128E2N-FD-8T
- 10TB HDD: AVR-NN8128E2N-FD-10T
- 12TB HDD: AVR-NN8128E2N-FD-12T
- 14TB HDD: AVR-NN8128E2N-FD-14T
- 24TB HDD: AVR-NN8128E2N-FD-24T
- 28TB HDD: AVR-NN8128E2N-FD-28T
- 32TB HDD: AVR-NN8128E2N-FD-32T
- 40TB HDD: AVR-NN8128E2N-FD-40T
- 48TB HDD: AVR-NN8128E2N-FD-48T
- 56TB HDD: AVR-NN8128E2N-FD-56T
- 56TB HDD: AVR-NN8128E2N-FD-64T

REAR PANEL

AVYCON®

SPECIFICATIONS

VIDEO	
IP Video Input	128CH
Output	HDMI1: 7680x4320 @ 60/30fps, 3840×2160 @ 60/30fps, 1920×1080, 1280×1024, 1024×768
	HDMI2 / HDMI3: 3840x2160 @ 60/30fps, 1920x1080, 1280x1024, 1024x768
	HDMI4 / VGAx1: 1920x1080, 1280x1024, 1024x768
IP Video Input Resolution	12MP / 8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 1280X1024 / 960P / 720P / 960H / D1 / CIF
Incoming Bandwidth (Mbps)	640
Outgoing Bandwidth (Mbps)	Display Priority: 128 / Network Priority: 640
Video Compression	H.264 / H.265 / H.265+ / H.265S
AUDIO	
Network Input	128CH
Local Output	RCA x 1
2-Way Audio	RCA x 1
HDMI Audio Output	Yes
Compression	G.711 (U/A)
RECORDING	
Resolution	16MP / 12MP / 8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 1280x1024 / 960P / 720P / 960H / D1 / CIF
Frame Rate	30fps (NTSC) / 25fps (PAL)
PLAYBACK	
Simultaneous Playback	16CH
Search	Time Slice / Time / Event / Tag / Smart Search
Function	Play, Pause, Fast Forward, Rewind, Digital Zoom, Previous Frame, Next Frame, etc.
DECODING CAPABILITY	
Live View	1CH 16MP @ 30fps / 4 CH 12MP (only available for main output)
Playback	1CH 16MP @ 30fps / 4CH 8MP (only available for main output)
ALARM	
Mode	Manual, Sensor, Motion, Exception, Smart Events, etc.
Alarm Input	24CH
Alarm Output	8CH
Triggering	Record, Snapshot, Preset, E-Mail, etc.
FACE	
Face Detection (AI by IPC)	128CH
Face Detection (AI by Device)	4CH
Face Match Performance	16CH
Face Picture Database	32 Libraries, 10,000 Face Pictures
Comparison Capability	36 Pictures/second
Database Mangement	Add, Modify, Delete and Search face pictures
Face Picture Adding	Add face pictures through APP, WEB and external import
Face Picture Search	Yes
Face Tracking	Yes
Database Mangement	Add, Modify, Delete, and Search face pictures
Face Picture Comparison	Supports successful Face Recognition Alarm and Stranger Match Alarm
Statistical Mode of Information	Statistics by Day, Week, Month, Quarter as well as accessibilty to a Customized time period
VIDEO STRUCTURE ANALYSIS	
Human / Vehicle Classification	AI by IPC: 64CH / 128CH
	AI by Device: 8CH
Human / Vehicle Attribute Analysis	Yes
OTHER FUNCTIONS	
Fisheye	Supports Fisheye dewarping via NVR / Web Client / Mobile APP
Plate Recognition (AI by IPC)	Yes
NETWORK	
Protocol	TCP/IP, HTTP, HTTPS, 802.1x, FTP, DHCP, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IPv6, UDP, WebSocket, PPPoE, SNMP, IGMP
Interface	RJ45 10/100/1000Mbps ×2
Client Connection	Max. 128 Users can Access
STORAGE	
HDD Interface	SATAx16 / Max. 10TB per HDD
Raid Type	RAID: 0, 1, 5, 6, 10
E-SATA Interface	2
PORT	
USB	USB 3.0 x 1 / USB 2.0 x 3 (Front: 2)
RS485	Yes (full-duplex), connect to PTZ or Keyboard
RS232	Yes
Reset Button	Built-in
GENERAL	
Power / Consumption	ATX-275W; ≤50W (without HDD)
Dimensions	17.20x19.02x5.63in (437x483x143mm)
Certificate	CE, FCC
Environmental Protection	Directive EU RoHS, WEEE (2012/19/EU), Directive 94/62/EC, and REACH (EC1907/2006)
Working Environment	14°~122°F (-10°~50C°); Humidity: 10%~90%