

# Network Video Recorder

## NR-E4-16B1/32B1/64B1



\*Images shown are for illustration purposes only and may not be an exact representation of the product.

## FEATURES

- Support Advance H.265, H.265, H.264 video formats
- 16/32/64-channel input
- Support mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T) and RTSP protocols
- Support 2 HDMI and 2 VGA. VGA1 and HDMI1 simultaneous output, VGA2 and HDMI2 simultaneous output. VGA1/HDMI1 and VGA2/HDMI2 independent output
- ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade

## TECHNICAL SPECIFICATIONS

### DECODING

Decoding Format	Advance H.265, H.265, H.264		
Decoding Capability	Smart Off: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8 x 4K@30, 10 x 6MP@30, 12 x 5MP@30, 16 x 4MP@30, Smart On: 1 x 32MP@30, 3 x 16MP@30, 4 x 12MP@30, 6 x 4K@30, 8 x 6MP@30, 9 x 5MP@30, 12 x 4MP@30, 16 x 3MP@30	Smart Off: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8 x 4K@30, 10 x 6MP@30, 12 x 5MP@30, 16 x 4MP@30, 20 x 3MP@30, 32 x 1080P@30 Smart On: 1 x 32MP@30, 3 x 16MP@30, 4 x 12MP@30, 6 x 4K@30, 8 x 6MP@30, 9 x 5MP@30, 12 x 4MP@30, 16 x 3MP@30, 24 x 1080P@30, 32 x 720P@30	Smart Off: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8 x 4K@30, 10 x 6MP@30, 12 x 5MP@30, 16 x 4MP@30, 20 x 3MP@30, 32 x 1080P@30, 64 x 720P@30 Smart On: 1 x 32MP@30, 3 x 16MP@30, 4 x 12MP@30, 6 x 4K@30, 8 x 6MP@30, 9 x 5MP@30, 12 x 4MP@30, 16 x 3MP@30, 24 x 1080P@30, 48 x 720P@30, 64 x D1

**Decoding Capability Description** The resolution of each channel cannot exceed 8192 pixels in length or width

**Audio Compression** G.711A, G.711U

### NETWORK

**Incoming Bandwidth** Smart Off: 384Mbps  
Smart On: 200Mbps

**Outgoing Bandwidth** Smart Off: 384Mbps  
Smart On: 200Mbps

**Remote Users** 128

**Protocols** TCP/IP, P2P, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, NFS, RTSP, 802.1x, IPv6, IPv4

**Browser(Plugin)** IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+

## VIDEO / AUDIO INPUT

IP Video Input	16-ch : NR-E4-16B1	32-ch : NR-E4-32B1	64-ch : NR-E4-64B1
RCA Audio Input	1-ch		

## VIDEO / AUDIO OUTPUT

HDMI Output	4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz		
VGA Output	1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz		
RCA Audio Output	2-ch		
Liveview Display	1/4/6/8/9/16	HDMI1 and VGA1: 1/4/6/8/9/16/25/32; HDMI2 and VGA2: 1/4/6/8/9/16	HDMI1 and VGA1: 1/4/6/8/9/16/25/36/64 ; HDMI2 and VGA2: 1/4/6/8/9/16
Corridor Mode Screen	3/4/5/7/9/10/12/16	HDMI1 and VGA1: 3/4/5/7/9/10/12/16/32; HDMI2 and VGA2: 3/4/5/7/9/10/12/16	HDMI1 and VGA1: 3/4/5/7/9/10/12/16/32 HDMI2 and VGA2: 3/4/5/7/9/10/12/16

## Two - way Audio

Two-way Audio	1-ch,RCA(Using the audio input and output)
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## SNAPSHOT

FTP/Schedule/Event Snapshot	16-ch snapshot (max. 8 MP (3840 × 2160) video resolution, with 1080P snapshot resolution)
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## RECORDING

Recording Resolution 32MP/16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIF

Num of Concurrent Playback 32-ch

Synchronous Playback in Local 16-ch

## SMART

VCA Detection by IPC Face Detection, Vehicle Detection, SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area), Ultra Motion Detection (UMD), Temperature Detection (Fire Detection, Smoking Detection, Temperature Measurement, Smoke and Fire Detection), People Counting (People Flow Counting, Crowd Density Monitoring), Video Metadata, Traffic Monitoring

Smart by NVR Face Detection; face detection; Smart Intrusion Prevention (SIP); Smart Motion Detection (SMD)

VCA Search Motor Vehicle Search; Non Motor Vehicle Search; Human Body Search; General Search; People Counting Report; Heat Map; SmartSearch+; AcuSearch

Smart by IPC All channels (up to 16 images/s in total)  
Face Detection, face detection, Vehicle Detection, Temperature Detection, SIP, SMD, Video Metadata, Traffic Monitoring

Search by Image Support

Vehicle Picture Library Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total

SIP by NVR 8-ch

SMD by NVR 16-ch

## SMART

Capacity of Snapshot Records 3 millions records for face snapshot, 2 millions records for vehicle snapshot, 2 millions records for SIP

## ALARM

General Alarm Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection

Alert Alarm IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal, Array Damaged, Array Degraded

## GUI LANGUAGE

GUI Language 38 languages: Simplified Chinese, Traditional Chinese, English, Vietnamese, Thai, Turkish, Spanish (Latin America), Portuguese (Brazil), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Slovak, Russian, Hebrew, Arabic, Ukrainian, Estonian, Bulgarian, Greek, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenia, Serbia, Korean, Japanese, Latvian, Lithuanian, Persian

## HARD DISK

SATA 4 SATA Interfaces

Capacity Up to 16TB for each HDD (The maximum HDD capacity varies with environment temperature)

Disk Group Support

Redundant Storage Support

Disk Array Type RAID 0,1,5

## EXTERNAL INTERFACE

Network Interface	2 RJ45 10M/100M/1000M self adaptive Ethernet Interface
Network Working Mode	Multi-access, load balance, network fault tolerance
USB	Front panel: 2 x USB2.0; Rear panel: 2 x USB3.0
RS485	1
RS232	1
Alarm In	16-ch
Alarm Out	10-ch
eSATA	1
Power Output	12V
Power Supply	AC 100~240V

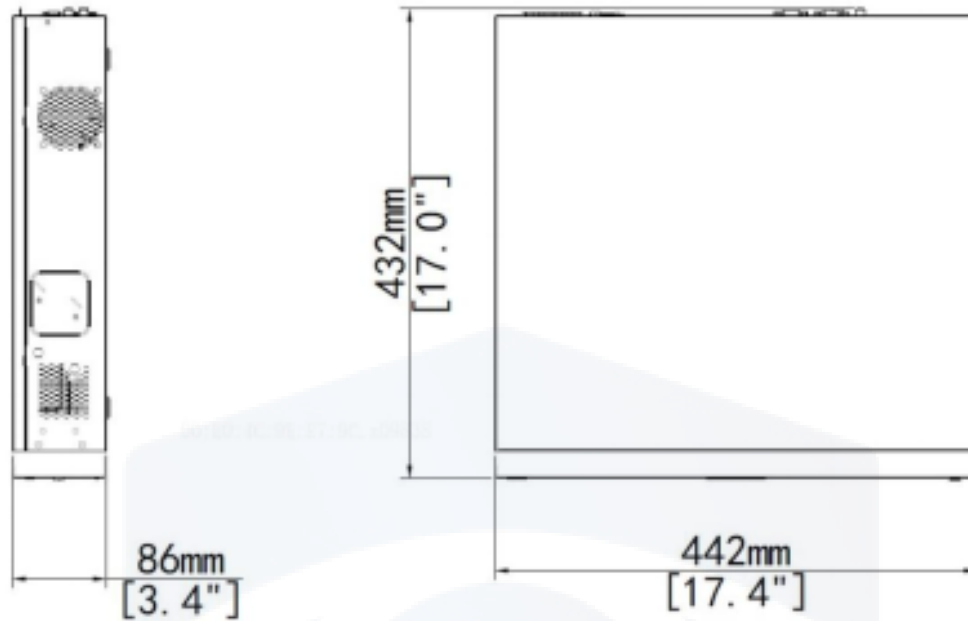
## WORKING ENVIRONMENT

Working Temperature	-10 °C ~ 55 °C (14 °F ~ 131 °F)
Working Humidity	≤ 90% RH (non condensing)
Power Consumption (without HDD)	≤ 35W

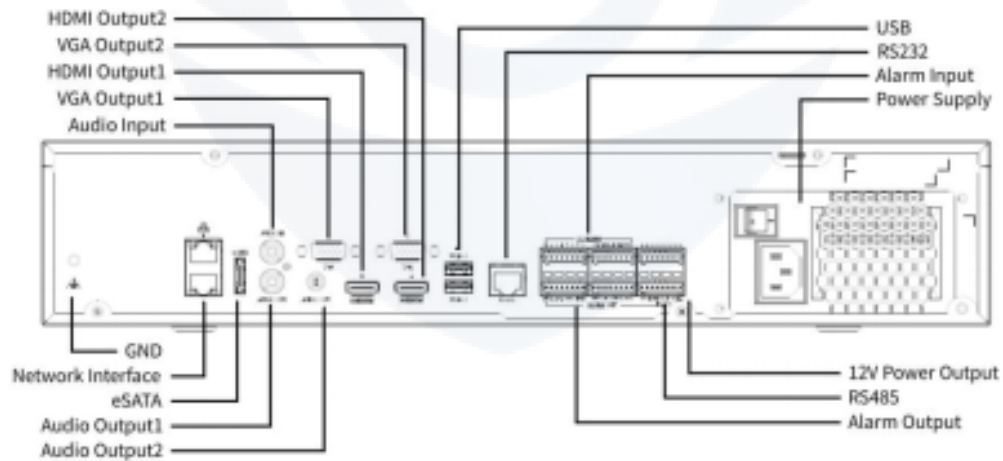
## DIMENSIONS

Weight (without HDD)	≤ 5.5Kg (12.1lb)
Dimensions	442mm × 432mm × 86mm (17.4"×17.0"×3.4")

## DIMENSIONS



## REAR PANEL



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