

# Network Video Recorder

## NR-H16-64R-IXB-4G



\*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
- 64/128-channel input
- Support mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T ) and RTSP protocols
- Support 2-ch HDMI, 1-ch VGA, HDMI at up to 4K(3840x2160) resolution
- HDMI1, HDMI2 and VGA independent outputs provided
- Up to 12 Megapixels resolution recording
- Support N+1 Hot spare
- Support HDD hot swap with RAID 0, 1, 5, 6, 10, 50, 60 storage scheme configurable
- Support 2 miniSAS Interfaces
- Support 12V power output
- Redundant power supply optional
- ANR technology to enhance the storage reliability when the network is disconnected
- Support Video Metadata
- Support cloud upgrade

## TECHNICAL SPECIFICATIONS

### DECODING

Decoding Format	Advance H.265, H.265, H.264
Decoding Capability	2 x 12MP@30, 4 x 4K@30, 5 x 6MP@30, 6 x 6MP@25, 7 x 5MP@25, 8 x 4MP@30, 10 x 3MP@30, 16 x 1080P@30, 36 x 720P@30, 64 x D1
Audio Compression	G.711A, G.711U

### NETWORK

Incoming Bandwidth	512 Mbps
Outgoing Bandwidth	512 Mbps
Remote Users	128
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, NFS, 802.1x, IPv6, IPv4
Browser(Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+

### VIDEO / AUDIO INPUT

RCA Audio Input	1-ch
IP Video Input	64-ch

### Two - way Audio

Two-way Audio	1-ch,RCA(Using the audio input and output)
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## VIDEO / AUDIO OUTPUT

HDMI Output	4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz
VGA Output	1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz
Video Output	Support 2-ch HDMI, 1-ch VGA, HDMI1 and HDMI2 and VGA independent output
RCA Audio Output	1-ch
Liveview Display	VGA: 1/4/6/8/9/16/25/36; HDMI: 1/4/6/8/9/16/25/36/64
Corridor Mode Screen	3/4/5/7/9/10/12/16/32

## SNAPSHOT

FTP/Schedule/Event Snapshot	64-ch snapshot, up to 4K resolution
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## SMART

VCA Detection by IPC	Face Detection; Vehicle Detection; SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area); Smart Motion Detection (SMD); 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 Comparison, Smart Intrusion Prevention (SIP), Video Metadata, (At same channel, only one smart function by NVR can be enabled simultaneously)
VCA Search	Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report
Smart by IPC	All channels (up to 64 images/s in total) Face Detection, Face Comparison, Vehicle Detection, Temperature Detection, SIP, SMD, Video Metadata, Traffic Monitoring

## SMART

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	48-ch
Video Metadata by NVR	48-ch
Video Metadata Type by NVR	Motor Vehicle: Vehicle Color, Vehicle Type, Vehicle Brand, Direction., Non-Motor Vehicle: Non-Motor Vehicle Type, Direction, Gender, Age, Upper Garment Length., Human Body: Gender, Age, Mask, Hairstyle, Bag Style, Direction, Upper Garment Length, Lower Garment Length.

## RECORDING

Recording Resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF
Synchronous Playback in Local	16-ch

## ALARM

Alert Alarm	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal, High CPU Temperature, High Motherboard Temperature, Array Damaged, Array Degraded
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## 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
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## HARD DISK

SATA	16 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, 6, 10, 50, 60
Hot Swap	Support

## EXTERNAL INTERFACE

Network Interface	4 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface
USB	Front panel: 2 × USB2.0, Rear panel: 2 × USB3.0
RS485	1
RS232	1
Alarm In	24-ch
Alarm Out	8-ch
eSATA	1
miniSAS	2
Extension Board	2
Power Supply	AC 100 to 240 V
Power Output	12 V
Power Switch	Support
Redundant Power Supply	Support

## WORKING ENVIRONMENT

Working Temperature      -10 °C ~ 55 °C (14 °F ~ 131 °F)

Working Humidity            ≤ 90% RH (non condensing)

Power Consumption  
(without HDD)                ≤ 200W

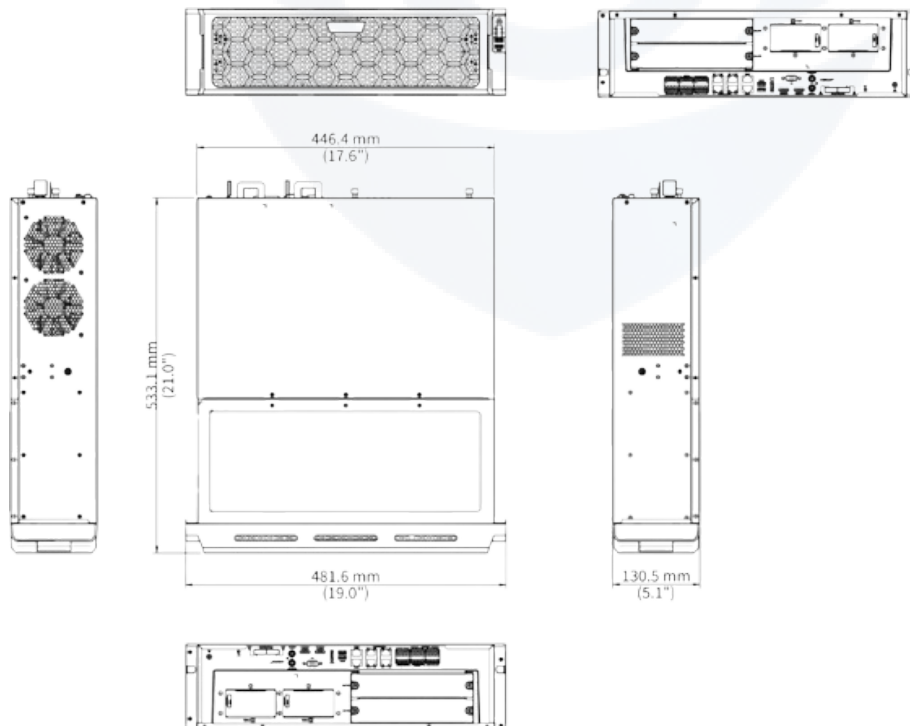
## DIMENSIONS

Weight (without HDD)      12KG

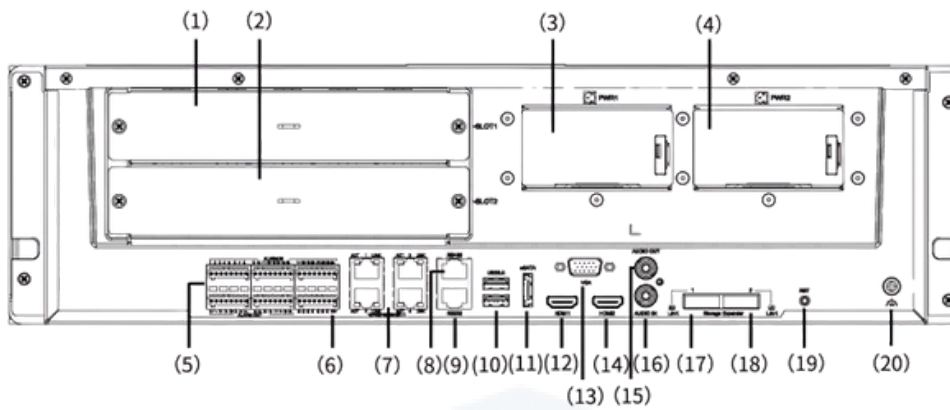
Height                            3U

Dimensions                    482mm × 559mm × 131mm (19.0" × 22.0" × 5.1" )

## DIMENSIONS



## REAR PANEL



(1) Slot1	(2) Slot2	(3) Power Supply 1
(4) Power Supply 2(optional)	(5) Alarm In/Out	(6) 12V DC Output
(7) Network Interface	(8) RS485	(9) RS232
(10) USB3.0	(11) eSATA	(12) HDMI1 Output
(13) VGA Output	(14) HDMI2 Output	(15) Audio Output
(16) Audio Input	(17) miniSAS	(18) miniSAS
(19) RST	(20) GND	

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