

# Network Video Recorder

## NR-E2-16/32E-IMG



\*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
- Support 16/32-channel input
- Support 1-ch HDMI, 1-ch VGA, HDMI and VGA simultaneous output
- Support ANR technology to enhance the storage reliability when the network is disconnected
- Up to 32 Megapixels resolution recording
- Support SeekFree function: up to 16-ch with 3rd party IPC, up to 32-ch with SIP/SMD IPC
- Support external USB keyboards
- Support SIP, Video Metadata, LPR , Face Detection and by NVR
- Support cloud upgrade

## TECHNICAL SPECIFICATIONS

### DECODING

Decoding Format	Advance H.265, H.265, H.264	
Decoding Capability	<p>Smart Off:</p> <p>H265: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8x 4K@30, 10x 6MP@30, 12x 5MP@30, 16 x 4MP@30, 16 x 3MP@30, 16 x 1080P@30</p> <p>H264: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8x 4K@30, 10x 6MP@30, 12x 5MP@30, 16 x 4MP@30, 16 x 3MP@30, 16 x 1080P@30</p> <p>Smart On: When Smart by NVR on, 16 x 1080P@30 decoding capacity will be consumed.</p>	<p>H265: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8x 4K@30, 10x 6MP@30, 12x 5MP@30, 16 x 4MP@30, 21 x 3MP@30, 32 x 1080P@30</p> <p>H264: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8x 4K@30, 10x 6MP@30, 12x 5MP@30, 16 x 4MP@30, 21 x 3MP@30, 32 x 1080P@30</p> <p>Smart On: When Smart by NVR on, 16 x 1080P@30 decoding capacity will be consumed.</p>

Audio Compression G.711A, G.711U

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

### NETWORK

Incoming Bandwidth 192 Mbps

Outgoing Bandwidth 192 Mbps

Remote Users 128

Max Users Can Be Added 32

Protocols TCP/IP, P2P, SMTP, RTSP, UPnP, NTP, DHCP, PPPoE, HTTP, DNS, DDNS, IPv6, IPv4, HTTPS

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

Browser (Plugin-Free) Chrome 57+, Edge 16+, Firefox 58+, Safari 11+

## VIDEO / AUDIO INPUT

RCA Audio Input	1-ch	
IP Video Input	16-ch	32-ch

## PERIPHERAL INPUT

Ip Speaker	N/A
POS	All channels

## VIDEO / AUDIO OUTPUT

Video Output	Support 1-ch HDMI, 1-ch VGA, HDMI and VGA simultaneous output	
HDMI Output	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, 1920 × 1080/50 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz	
HDMI Standard	HDMI1.4	
RCA Audio Output	1-ch	
Liveview Display	1/4/6/8/9/16	1/4/6/8/9/16/25/32
Corridor Mode Screen	3/4/5/7/9/10/12/16	3/4/5/7/9/10/12/16/32
3.5mm Audio Output	N/A	
Playback Screen	1/4/9/16	
Corridor Mode Screen of Playback	1/3	

## Two - way Audio

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

## SNAPSHOT

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

## RECORDING

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

Synchronous Playback in Local      16-ch

Num of Concurrent Playback      32-ch

## ALARM

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

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

## SMART

Smart by IPC	All channels (up to 16 images/s in total) Face Detection, Vehicle Detection (LPR), Temperature Detection, SIP, SMD, Video Metadata, Traffic Monitoring
Smart by NVR	Face Detection, Smart Intrusion Prevention (SIP), Video Metadata, Plate Comparison, Illegally Parked Motor Vehicle
Smart by NVR Analyzer Mode	Single Mode (SIP), Mixed Mode (+Mixed-Traffic Detection+AcuSearch/AcuTrack), Modes cannot active simultaneously, only one mode can active at a time.
VCA Search	AcuSearch, SmartSearch+, , , Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report
AcuSearch	All channels with SIP/SMD Camera, Up to 16-ch with normal camera (Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
SeekFree	All channels with SIP/SMD Camera, Up to 16-ch with normal camera (Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
SeekFree Language	English
by NVR	All channels with Face Detection Camera, Up to 16-ch with normal camera (Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
Search by Image	Support
SIP by NVR with normal cameras	Up to 16-ch with normal camera (Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
Video Metadata by NVR with normal cameras	Up to 16-ch with normal camera (Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)
Video Metadata by NVR	Motor Vehicle: Vehicle Type, Vehicle Color, Vehicle Brand, Direction, Plate Type, Plate Color, Non-Motor Vehicle: Non-Motor Vehicle Type, Direction, Gender, Age, Upper Garment Length, Upper Garment Color, Human Body: Gender, Age, Mask, , Bag Style, Direction, Upper Garment Length, Lower Garment Length, Upper Garment Color, Lower Garment Color

## SMART

Vehicle Picture Library	1-ch,RCA(Using the audio input and output)	
Capacity of Snapshot Records	2 millions records for face snapshot, 2 millions records for SIP, 2 millions records for vehicle snapshot	2 millions records for face snapshot, 2 millions records for vehicle snapshot, 2 millions records for SIP

## HARD DISK

SATA	2 SATA Interfaces	
Capacity	Up to 24 TB for each HDD (The maximum HDD capacity varies with environment temperature and hard disk size, The environment temperature for use should not exceed 40°C)	
Disk Group	Support	
Redundant Storage	Support	
Disk Array Type	RAID 0, 1, 5, 6, 10	N/A
Hot Swap	N/A	

## POE

PoE Interface	N/A
Max Power	N/A
Supported Standard	N/A

## EXTERNAL INTERFACE

Network Interface	2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface
Network Working Mode	Multi-access, load balance, network fault-tolerance
USB	Front panel: 1 × USB2.0, Rear panel: 1 × USB2.0, 1 × USB3.0
RS485	1
RS232	N/A
Alarm In	4-ch
Alarm Out	1-ch
eSATA	N/A
miniSAS	N/A
Extension Board	N/A
Power Output	N/A
Buzzer	Support
Power Supply	DC 12 V/3 A
Power Switch	N/A
Redundant Power Supply	N/A

## WORKING ENVIRONMENT

Working Temperature	-10 °C ~ 55 °C (14 °F ~ 131 °F)
Working Humidity	≤ 90% RH (non condensing)
Power Consumption (without HDD)	≤ 25W
Heat Dissipation	Fan, Radiator

## DIMENSIONS

Weight (without HDD)	1.87 KG	
Height	1U	
Dimensions	380mm × 322.4mm × 53mm (15.0" × 12.7" × 2.1" )	380mm × 322.4mm × 53mm (15.0" × 12.7" × 2.1" )

## Feature Supported

Cruise Lines Num of Each Camera	4
Preset Num	32
N+1 Hot Spare	N/A
Fisheye Dewarping by IPC	Support
Fisheye Dewarping by NVR (Local)	N/A
Dual-lens Cameras	Support
Box-Dome Linkage	Support
ANR	Support
Downlink ONVIF	Support (Profile S)
Uplink ONVIF	N/A
Video Image Database (Uplink)	Support
UCS (Web socket)	Support

## Feature Supported

NAS	Support
Smart-code Basic Mode	Support
Smart-code Advanced Mode	Support
Output Mode	N/A

## GUI Language

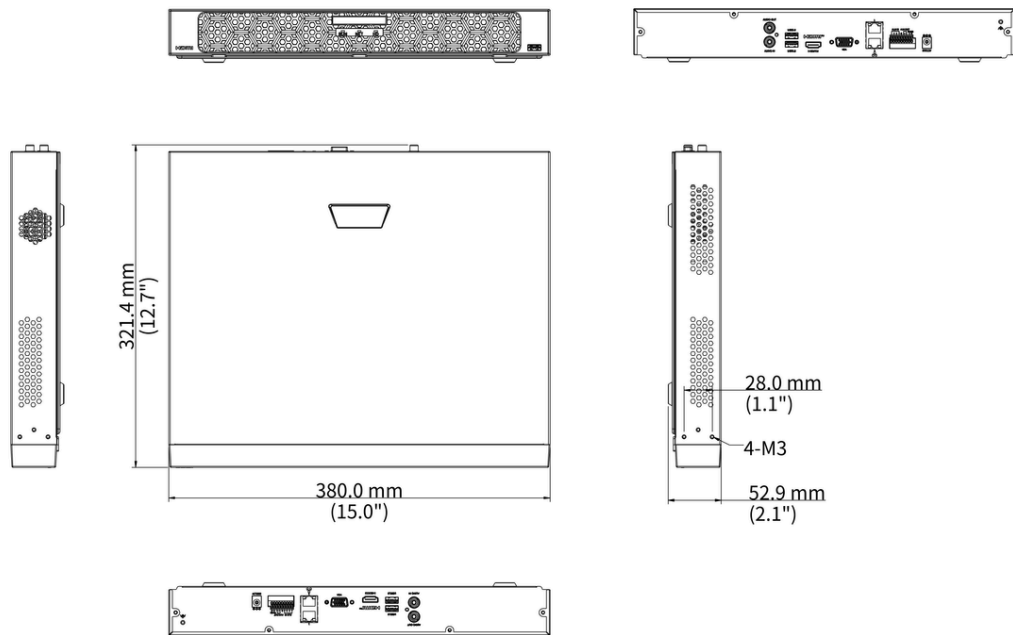
GUI Language

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

## Others

Decoding Capability (1080P)	16	32
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## Dimensions



### UNEVIU TECHNOLOGIES INDIA PVT LTD

SadguruVilla - 123/128, Gorai, Borivali west, Mumbai MH - 400091 (INDIA)

Email: [Support@uneeviu.com](mailto:Support@uneeviu.com)

[www.uneeviu.com](http://www.uneeviu.com)

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