Network Video Recorder
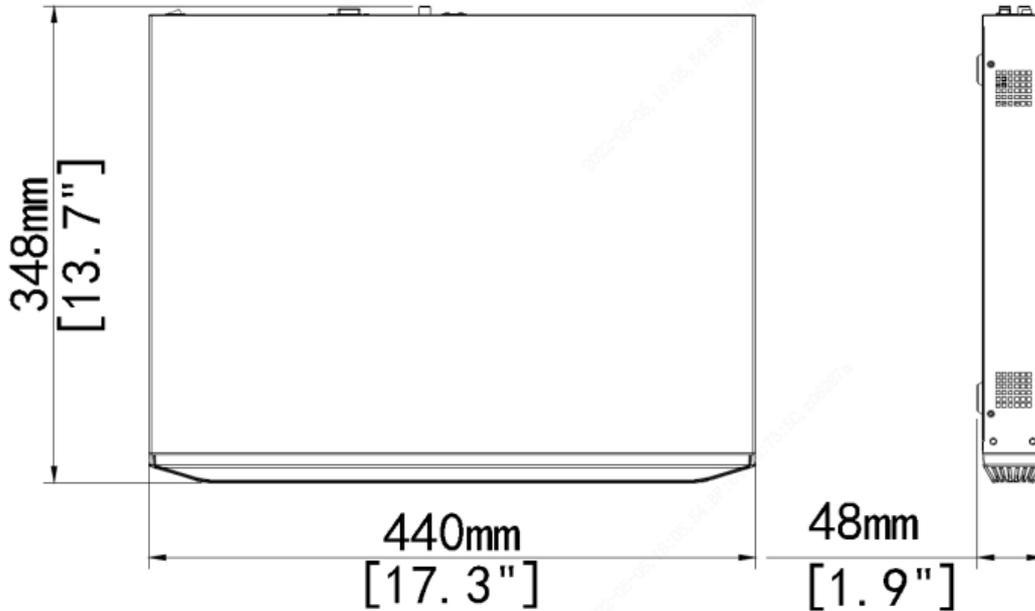
NVR304-E-IF Series

Key Features

- Support Ultra H.265/H.265/H.264 video formats

- 32-channel input

- Supports mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T) and RTSP protocols

- Support 1-ch HDMI, 1-ch VGA. HDMI up to 4K (3840x2160) resolution

- Support HDMI and VGA simultaneous output

- Up to 12 Megapixels resolution recording

- 4 SATA HDDs, Up to 10TB for each HDD

- Support Face Detection at 8 people in the same time with face picture size 30 pixel x 30 pixel to 200 pixel x 200 pixel

- Support Search Face by image using pass record or import face picture from other source

- Show Face Recognition percentage of comparison Face Match result

- Can alarm face on Blacklist, VIP or Member or other type for all 16 Face picture library

- Support Face recognition with Mask

- Support Attribute Collection from Face Detection as Age, Gender and Mask

- Various fisheye dewarping modes for live view and playback for both web interface and GUI

- ANR technology to enhance the storage reliability when the network is disconnected
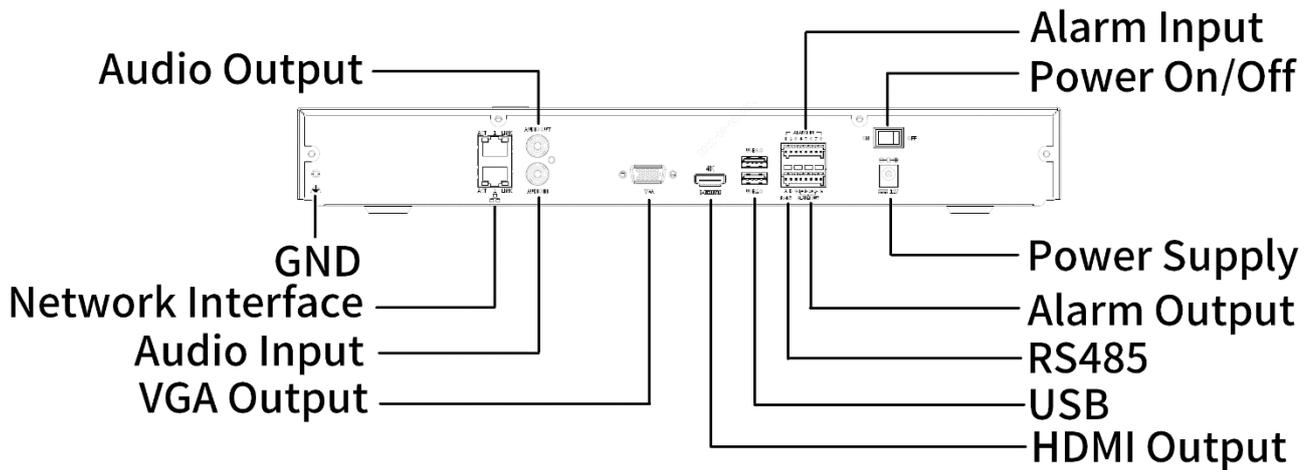
- Support cloud upgrade

Specifications

Model	NVR304-32E-IF
Video/Audio Input	
IP Video Input	32-ch
Two-way Audio Input	1-ch, RCA
Network	
Incoming Bandwidth	Smart Off: 320Mbps Smart On: 160Mbps
Outgoing Bandwidth	Smart Off: 320Mbps Smart On: 160Mbps
Remote Users	128
Protocols	TCP/IP,IPv4,IPv6, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS,DNS,DDNS,SNMP,SMTP,NFS,Onvif
Browser	IE(IE10/11) for Windows Firefox (version 52.0 and above) for Windows Chrome(version 45 and above) for Windows Edge(version 79 and above) for Windows
Video/Audio Output	
HDMI/VGA Output	VGA: 1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz HDMI: 4K (3840x2160)/30Hz, 1920x1080p/60Hz, 1920x1080p/50Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
Recording Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF
Audio Output	1-ch, RCA
Audio Compression	G.711A, G.711U
Synchronous Playback	16-ch
Live View Display	1/4/6/8/9/16/25/36
Corridor Mode Screen	3/4/5/7/9/10/12/16/32
Snapshot	
FTP/Schedule/Event Snapshot	16-ch snapshot, up to 1080P resolution
Decoding	
Decoding Format	Ultra 265, H.265, H.264
Live View/Playback	12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF
Capability	Smart Off: 1 x 12MP@30, 2 x 4K@30, 5 x 4MP@30, 10 x 1080P@30, 22 x 720P@30, 32 x D1 Smart On: 1 x 12MP@30, 2 x 4K@30, 4 x 4MP@30, 8 x 1080P@30, 18 x 720P@30, 32 x D1
Hard Disk	
SATA	4 SATA interfaces
Capacity	Up to 10TB for each disk (The maximum HDD capacity varies with environment temperature)
eSATA	NA

Disk Group	Support
Smart	
VCA Detection by Camera	Face Detection, Face Comparison, Intrusion Detection, Cross Line Detection, Enter Area, Leave Area, Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Ultra Motion Detection(UMD)
NVR Smart	Smart Intrusion Prevention (SIP), Face Comparison, UMD
VCA Search	Face Search, Face Comparison Search, Behavior Search, Vehicle Search
People Counting	People Flow Counting, Crowd Density Monitoring
SIP by NVR with normal cameras	4-ch
Face Comparison by NVR with normal cameras	2-ch
Face Comparison by NVR with face detection cameras	8-ch
UMD by NVR	8-ch
SIP, Face Detection, Face comparison, Vehicle Detection, UMD by Camera	Total 8-ch
Face Picture Library	Up to 16 face picture libraries, with up to 50,000 face pictures in total
General Alarm	
General Alarm	Motion, Tampering, Human Body Detection, Video Loss, Input Alarm, Audio Detection
Alert Alarm	IP Conflict, Network Disconnected, Disk Offline , Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal
External Interface	
Network Interface	2 RJ45 10M/100M/1000M self-adaptive Ethernet Interfaces
USB Interface	Front panel: 1 x USB2.0,Rear panel: 1 x USB2.0 1 x USB3.0
RS232	NA
RS485	1
Alarm In	8-ch
Alarm Out	2-ch
General	
Power Supply	12VDC/3.3A Power Consumption: ≤ 12 W (without HDD)
Working Environment	-10°C~+ 55°C (+14°F~+131°F), Humidity ≤ 90% RH (non-condensing)
Dimensions (W×D×H)	380mm × 321mm × 53mm (15.0" × 12.6"× 2.1")
Weight (without HDD)	≤1.8Kg (3.97lb)
Certification	
Certification	CE, FCC, UL, RoHS, WEEE
CE	EN 55032: 2015, EN 61000-3-3: 2013, EN IEC 61000-3-2: 2019, EN 55035: 2017
FCC	Part15 Subpart B, ANSI C63.4

Dimensions

Rear Panel

Audio Output

Alarm Input
Power On/Off

GND
Network Interface
Audio Input
VGA Output

Power Supply
Alarm Output
RS485
USB
HDMI Output