

Network Video Recorder NVR509-E-IQ Series



Features

- Support Ultra 265/H.265/H.264 video formats
- Support 16/32/64-channel input
- Support 2 HDMI and 2 VGA. VGA1 and HDMI1 simultaneous output, VGA2 and HDMI2 simultaneous output. VGA1/HDMI1 and VGA2/HDMI2 independent output
- Support up to 32 Megapixels resolution recording
- Support N+1 Hot spare
- Support ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade

Specifications

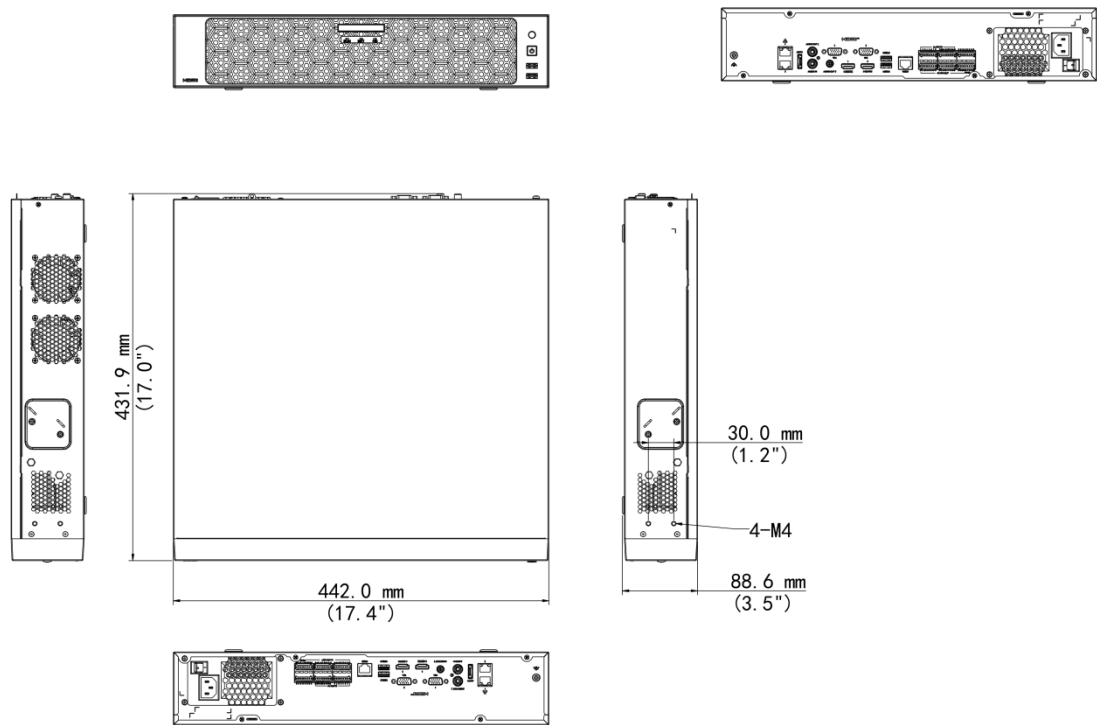
Model	NVR509-16E-IQ		NVR509-32E-IQ	NVR509-64E-IQ
Decoding				
Decoding Format	Ultra 265, H.265, H.264			
Decoding Capability	Smart Off: 2 x 32MP@30, 4 x 16MP@30, 5 x 12MP@30, 8 x 4K@30, 10 x 6MP@30, 12 x 5MP@30, 16 x 4MP@30 Smart On: 1 x 32MP@30, 3 x 16MP@30, 4 x 12MP@30, 6 x 4K@30, 8 x 6MP@30, 9 x 5MP@30, 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: 384 Mbps, Smart On: 200 Mbps			
Outgoing Bandwidth	Smart Off: 384 Mbps, Smart On: 200 Mbps			
Remote Users	128			
Protocols	TCP/IP, P2P, UPnP, 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	32-ch	64-ch	
RCA Audio Input	1-ch			
Peripheral Input				
POS	All channels			
Video/Audio Output				
Video Output	Support 2-ch HDMI, 2-ch VGA, HDMI1 and VGA1 simultaneous output, HDMI2 and VGA2 simultaneous output, HDMI1/VGA1 and HDMI2/VGA2 independent 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:	HDMI1 and VGA1:	

		3/4/5/7/9/10/12/16/32; HDMI2 and VGA2: 3/4/5/7/9/10/12/16	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)		
Snapshot			
FTP/Schedule/Event Snapshot	16-ch snapshot (max. 8 MP (3840 × 2160) video resolution, with 1080P snapshot resolution)		
Recording			
Recording Resolution	32 MP/16 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF		
Smart Function			
Smart by IPC	All channels (up to 16 images/s in total) Face Detection, Face Comparison, Vehicle Detection (LPR), Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring		
Smart by NVR	Face Detection, Face Comparison, Smart Intrusion Prevention (SIP), Ultra Motion Detection (UMD), Video Metadata, (At same channel, only one smart function by NVR can be enabled simultaneously.)		
Smart by NVR Analyzer Mode	Single Mode (AcuSearch/AcuTrack), Mixed Mode (Face Recognition+Mixed-Traffic Dection), Mixed Mode (SIP+UMD), Modes cannot active simultaneously, only one mode can active at a time.		
VCA Search	AcuSearch, AcuTrack, Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Heat Map		
AcuSearch			
Acu Search Performance	All channels with UNV SIP/UMD Camera Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)	All channels with UNV SIP/UMD Camera Up to 32-ch with normal camera (UNV and Third-part brand, 32-ch 2MP, 16-ch 4MP, 8-ch 4K)	All channels with UNV SIP/UMD Camera Up to 32-ch with normal camera (UNV and Third-part brand, 32-ch 2MP, 16-ch 4MP, 8-ch 4K)
AcuTrack			
Acu Track Performance	All channels with UNV SIP/UMD Camera Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)	All channels with UNV SIP/UMD Camera Up to 32-ch with normal camera (UNV and Third-part brand, 32-ch 2MP, 16-ch 4MP, 8-ch 4K)	All channels with UNV SIP/UMD Camera Up to 32-ch with normal camera (UNV and Third-part brand, 32-ch 2MP, 16-ch 4MP, 8-ch 4K)
by NVR	Up to 16-ch with UNV Face Detection Camera Up to 6-ch with normal camera (UNV and Third-part brand, 6-ch 2MP, 3-ch 4MP, 1-ch 4K)	Up to 32-ch with UNV Face Detection Camera Up to 6-ch with normal camera (UNV and Third-part brand, 6-ch 2MP, 3-ch 4MP, 1-ch 4K)	Up to 32-ch with UNV Face Detection Camera Up to 6-ch with normal camera (UNV and Third-part brand, 6-ch 2MP, 3-ch 4MP, 1-ch 4K)
Plate Comparison			
Vehicle Number Library	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total		
SIP			
SIP by NVR with normal cameras	Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP,	Up to 24-ch with normal camera (UNV and Third-part brand, 24-ch 2MP, 12-ch 4MP,	Up to 24-ch with normal camera (UNV and Third-part brand, 24-ch 2MP, 12-ch 4MP,

	4-ch 4K)	6-ch 4K)	6-ch 4K)
UMD			
UMD by NVR with normal cameras	Up to 16-ch with normal camera (UNV and Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)	Up to 32-ch with normal camera (UNV and Third-part brand, 32-ch 2MP, 16-ch 4MP, 8-ch 4K)	Up to 32-ch with normal camera (UNV and Third-part brand, 32-ch 2MP, 16-ch 4MP, 8-ch 4K)
Video Metadata			
Video Metadata by NVR with normal cameras	Up to 6-ch with normal camera (UNV and Third-part brand, 6-ch 2MP, 3-ch 4MP, 1-ch 4K)		
Video Metadata Type	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, Hairstyle, Bag Style, Direction, Upper Garment Length, Lower Garment Length, Upper Garment Color, Lower Garment Color		
Capacity of Smart Snapshots			
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, 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		
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	9 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		
External Interface			
Network Interface	2 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	16-ch		
Alarm Out	10-ch		
eSATA	1		
Power Output	12 V		

Power Supply	AC 100 to 240 V
Power Switch	Support
Working Environment	
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	≤ 90% RH (non-condensing)
Power Consumption (without HDD)	≤ 40W
Dimensions	
Weight (without HDD)	≤5.5KG
Height	2U
Dimensions	442mm × 400mm × 86.1mm (17.4" ×15.7" ×3.4")
Certification	
Certification	CE; FCC; UL; RoHS; WEEE
CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035
FCC	Part15 Subpart B

Dimensions



Accessories

FL-2U		
4 HDDs & 8 HDDs 2U NVR Rack Mount		
		

Unlimited New View

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