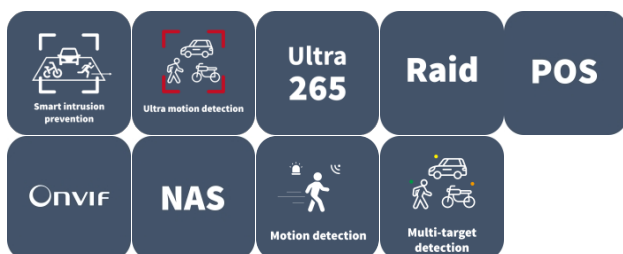


Network Video Recorder NVR509-E-IM Series



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-IM		NVR509-32E-IM	NVR509-64E-IM
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, 16 x 3MP@30, 16 x 1080P@30, 16 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, 16 x 1080P@30, 16 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 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			
Max Users Can Be Added	128			
Max Remote Users	128			
Maximum Number of Clients	/			
Maximum Number of Simultaneous Forwarding Streamings	/			
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, NFS, RTSP, 802.1x, IPv6, IPv4			
Browser (Plugin)	Chrome 45+, Edge 79+, Firefox 52+			
Browser (Plugin-Free)	Chrome 57+, Edge 16+, Firefox 58+, Safari 11+			
Video/Audio Input				
IP Video Input	16-ch	32-ch	64-ch	
BNC Audio Input	N/A			
RCA Audio Input	1-ch			
3.5mm Audio Input	N/A			
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			

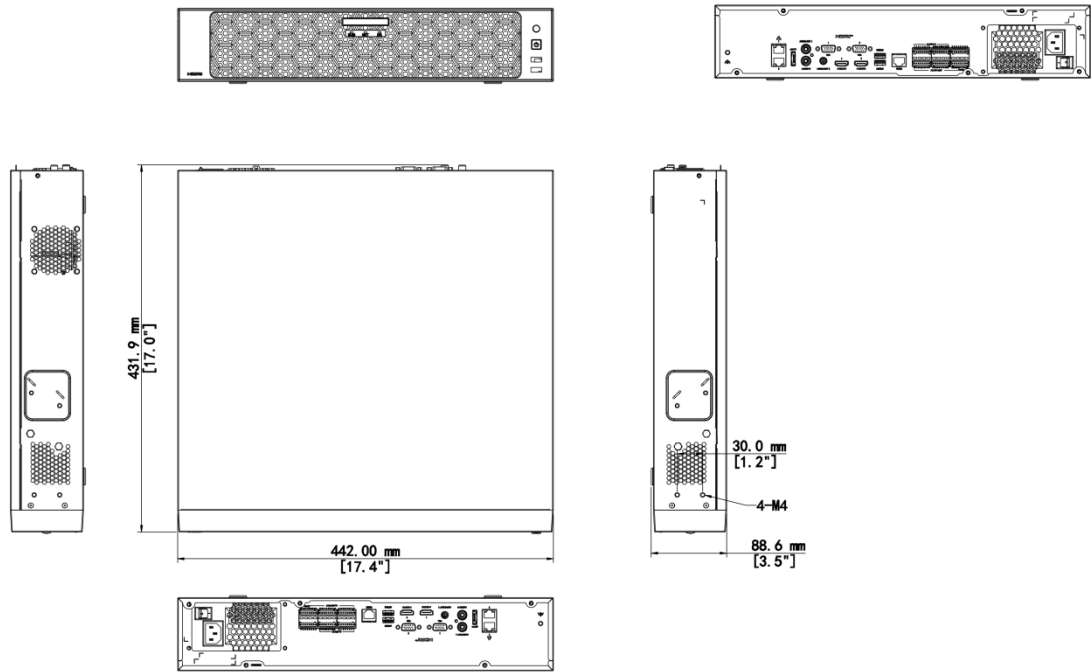
HDMI Output	4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz		
VGA Output	1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz		
HDMI Standard	HDMI2.0		
BNC Audio Output	N/A		
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
Default Num of Live Screen	16	HDMI1 and VGA1: 32; HDMI2 and VGA2: 16	HDMI1 and VGA1: 64; HDMI2 and VGA2: 16
3.5mm Audio Output	N/A		
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
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	32 MP/16 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF		
Num of Concurrent Playback	32-ch		
Synchronous Playback in Local	16-ch		
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, Plate Comparison		
Smart by NVR Analyzer Mode	Mixed Mode (SIP+UMD), Mixed Mode (Face Recognition+Mixed-Traffic Dection+AcuSearch/AcuTrack), Modes cannot active simultaneously, only one mode can active at a time.		
VCA Search	Face Snapshot Search, Face Comparison Search, Behavior Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Heat Map, SmartSearch+, AcuSearch, AcuTrack		
AcuSearch			
Acu Search Performance	All channels with UNV SIP/UMD Camera Up to 16-ch with normal camera (UNV and	All channels with UNV SIP/UMD Camera Up to 32-ch with normal camera (UNV and	All channels with UNV SIP/UMD Camera Up to 32-ch with normal camera (UNV and

	Third-part brand, 16-ch 2MP, 8-ch 4MP, 4-ch 4K)	Third-part brand, 32-ch 2MP, 16-ch 4MP, 8-ch 4K)	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)
face detection			
face detection 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)
Search by Image	Support		
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, 4-ch 4K)	Up to 24-ch with normal camera (UNV and Third-part brand, 24-ch 2MP, 12-ch 4MP, 6-ch 4K)	Up to 24-ch with normal camera (UNV and Third-part brand, 24-ch 2MP, 12-ch 4MP, 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		
Num of Concurrent Processing Alarms	One every 5 seconds		
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
Hot Swap	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: 2 × USB2.0, Rear panel: 2 × USB3.0
RS485	1
RS232	1
Alarm In	16-ch
Alarm Out	10-ch
eSATA	1
miniSAS	N/A
Power Output	12 V
Extension Board	N/A
Buzzer	Support
Power Supply	AC 100 to 240 V
Power Switch	Support
Redundant Power Supply	N/A
PoE	
PoE Interface	N/A
Max Power	N/A
Supported Standard	N/A
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
Heat Dissipation	Fan, Radiator
Dimensions	
Weight (without HDD)	≤5.5KG
Height	2U
Dimensions	442mm × 400mm × 86.1mm (17.4" ×15.7" ×3.4")
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

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
Feature Supported	
Cruise Lines Num of Each Camera	4
Preset Num	32
N+1 Hot Spare	Support
Fisheye Dewarping by IPC	Support
Fisheye Dewarping by NVR (Local)	Support (Max 1-CH, Max 12MP), After fisheye correction, the actual display resolution will be compressed to no less than 2368*1344
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
NAS	Support
Ucode Basic Mode	Support
Ucode Advanced Mode	Support
Output Mode	Support
Compliance	
NDAA Compliant	N/A
Others	
Decoding Capability (1080P)	32

Dimensions



Accessories

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

Unlimited New View

Zhejiang Uniview Technologies Co., Ltd.



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