



16-Channel 16MP 2 HDD 1U NVR with Analytics

NVR502-16B-P16-IQ

SKU: 156389

Uniview NVR502-16B-P16-IQ UltraHD 16-Channel Network Video Recorder with 2 Hard Drive Bays and Intelligent Video Analytics

Features

- Support Ultra 265/H.265/H.264 video formats
- 8/16/32-channel input
- Plug & Play with 8/16 independent PoE network interfaces
- Support 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
- VGA and HDMI independent output
- Up to 16 Megapixels resolution recording
- 2 SATA HDD, up to 10TB for each HDD
- ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade

	NVR502-08B-P8-IQ	NVR502-16B-P16-IQ	NVR502-32B-P16-IQ
Decoding			
Decoding Format	Ultra 265, H.265, H.264		
Decoding Capability	Smart Off?2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 8 x 4MP@30, 8 x 3MP@30, 8 x 1080P@30 Smart On?2 x 12MP@30, 2 x 4K@30, 6 x 4MP@30, 8 x 3MP@30, 8 x 1080P@30	Smart Off?2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 8 x 4MP@30, 10 x 3MP@30, 16 x 1080P@30 Smart On?2 x 12MP@30, 2 x 4K@30, 6 x 4MP@30, 8 x 3MP@30, 12 x 1080P@30, 16 x 720P@30	Smart Off?2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 8 x 4MP@30, 10 x 3MP@30, 16 x 1080P@30, 32 x 720P@30 Smart On?2 x 12MP@30, 2 x 4K@30, 6 x 4MP@30, 8 x 3MP@30, 12 x 1080P@30, 24 x 720P@30, 32 x D1
Decoding Capability Description	The resolution of each channel cannot exceed 8192 pixels in length and 4096 pixels in width, For VGA/HDMI independent output, the VGA live video is output by default. To output the highest resolution video from the HDMI port, please clear the VGA video on the preview page.		
Audio Compression	G.711A, G.711U		
Network			
Incoming Bandwidth	Smart Off?320Mbps Smart On?160Mbps		
Outgoing Bandwidth	160 Mbps		
Remote Users	128		
Protocols	TCP/IP, P2P, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, NFS, RTSP, IPv6, IPv4		
Browser(Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+		
Video/Audio Input			
IP Video Input	8-ch	16-ch	32-ch
RCA Audio Input	1-ch		

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		
RCA Audio Output	1-ch		
Liveview Display	1/4/6/8/9	1/4/6/8/9/16	1/4/6/8/9/16/25/32
Corridor Mode Screen	3/4/5/7/9	3/4/5/7/9/10/12/16	3/4/5/7/9/10/12/16/32
Two-way Audio			
Two-way Audio	1-ch, RCA (Using the audio input and output)		
Snapshot			
FTP/Schedule/Event Snapshot	4-ch snapshot (max. 8 MP (3840 × 2160) video resolution, with 1080P snapshot resolution)		
Recording			
Recording Resolution	16 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF		
Synchronous Playback in Local	16-ch		
Smart			
VCA Detection by IPC	Face Detection, Vehicle Detection, SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area), Ultra Motion Detection (UMD), 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, Smart Intrusion Prevention (SIP), Ultra Motion Detection (UMD)		
VCA Search	Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Heat Map, SmartSearch+, AcuSearch		
Smart by IPC	All channels (up to 8 images/s in total)Face Detection, Vehicle Detection, Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring		
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	4-ch		
UMD by NVR	8-ch		
Capacity of Snapshot Records	2 millions records for face snapshot, 2 millions records for vehicle snapshot, 3 millions records for SIP, 2 millions records for video Metadata		
Alarm			
General Alarm	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection		
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	2 SATA Interfaces		
Capacity	Up to 16 TB for each HDD (The maximum HDD capacity varies with environment temperature)		
Disk Group	Support		
Redundant Storage	Support		
Disk Array Type	RAID 1		
External Interface			
Network Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface		

USB	Front panel: 1 × USB2.0, Rear panel: 1 × USB3.0		
RS485	1		
RS232	N/A		
Alarm In	8-ch		
Alarm Out	2-ch		
Power Supply	AC 100~240V		
Power Switch	Support		
PoE			
PoE Interface	8 RJ45 10 M/100 M self-adaptive Ethernet Interface	16 RJ45 10 M/100 M self-adaptive Ethernet Interface	16 RJ45 10 M/100 M self-adaptive Ethernet Interface
Max Power	Max 30 W for single port, Max 130 W in total	Max 30 W for single port, Max 240 W in total	Max 30 W for single port, Max 240 W in total
Supported Standard	IEEE 802.3at, IEEE 802.3af		
Working Environment			
Working Temperature	-10 ℃ to 50 ℃ (14 ℉ to 122 ℉)		
Working Humidity	≤ 90% RH (non-condensing)		
Power Consumption (without HDD)	≤ 12W		
Dimensions			
Weight (without HDD)	≤ 2.7Kg (6.0lb)		
Height	1U		
Dimensions	380mm × 322mm × 53mm (15.0"×12.7"×2.1")		
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		