

Network Video Recorder

NVR-502-16IQ2



Features

- Support Ultra H.265/H.265/H.264 video formats
- 16-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 independent output
- Up to 16 Megapixels resolution recording
- ANR technology to enhance the storage reliability when the network is disconnected
- Mobile app for remote access

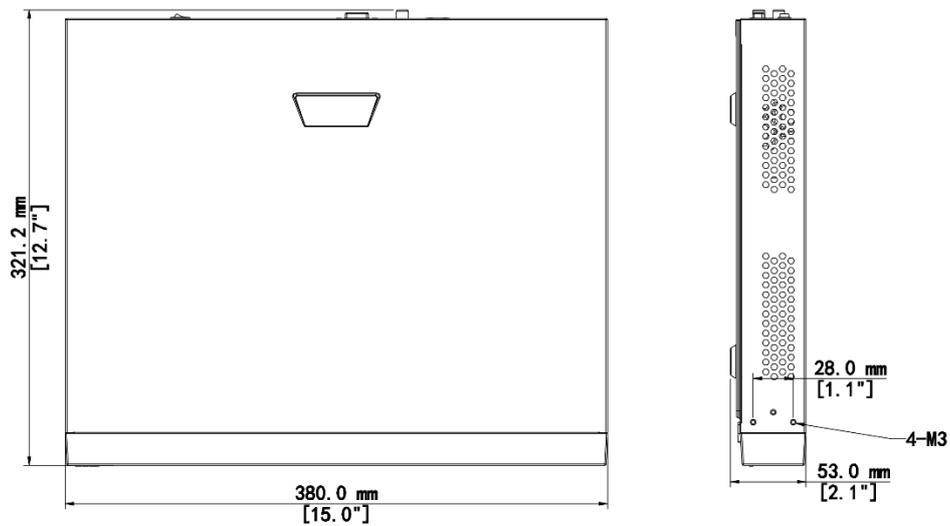
Specifications

Model	NVR-502-16IQ2
Decoding	
Decoding Format	Ultra 265, H.265, H.264
Decoding Capability	Smart Off: 2x16MP@30 fps, 2x12MP@30 fps, 4x4K@30 fps, 8x4MP@30 fps, 10x3MP@30 fps, 16x1080P@30 fps Smart On: 2x12MP@30 fps, 2x4K@30 fps, 6x4MP@30 fps, 8x3MP@30 fps, 12x1080P@30 fps, 16x720P@30 fps
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: 320 Mbps Smart On: 160 Mbps
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	16-ch
RCA Audio Input	1-ch
Video/Audio Output	
HDMI Output	4K (3840x2160)/30 Hz, 1920x1080/60 Hz, 1920x1080/50 Hz, 1600x1200/60 Hz, 1280x1024/60 Hz, 1280x720/60 Hz, 1024x768/60 Hz
VGA Output	1920x1080/60 Hz, 1920x1080/50 Hz, 1600x1200/60 Hz, 1280x1024/60 Hz, 1280x720/60 Hz, 1024x768/60 Hz
RCA Audio Output	1-ch
Live view Display	1/4/6/8/9/16
Corridor Mode Screen	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	4-ch snapshot (max. 8 MP (3840x2160) 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, Face Comparison, Vehicle Detection, SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area), IQ Motion Detection (IQM), 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, Face Comparison, Smart Intrusion Prevention (SIP), IQ Motion Detection (IQM)
VCA Search	Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Heat Map, AcuTrack, AcuSearch
Smart by IPC	All channels (up to 8 images/s in total) Face Detection, Face Comparison, Vehicle Detection, Temperature Detection, SIP, IQM, Video Metadata, Traffic Monitoring
Face Comparison by NVR with face detection cameras	8-ch
Face Comparison by NVR with normal cameras	2-ch
Face Picture Library	Up to 16 face picture libraries, with up to 50,000 face pictures in total
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
IQM 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	English, Hungarian, Slovak, Croatian, Serbia, Romanian, Italian, Slovenia
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	2x RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface
USB	Front panel: 1xUSB2.0, Rear panel: 1xUSB2.0, 1xUSB3.0
RS485	1
Alarm In	8-ch
Alarm Out	2-ch
Power Supply	DC 12 V/3 A
Power Switch	Support
Working Environment	

Working Temperature	-10 °C ~ 50 °C
Working Humidity	≤ 90% RH (non-condensing)
Power Consumption (without HDD)	≤ 12W
Dimensions	
Weight (without HDD)	≤ 2kg
Height	1U
Dimensions	380x315x53mm
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

RM-1U-380
2 HDD 1U NVR Rack Mount



Rear Panel

