16 Channel AI Network Video Recorder

GV-NVR16CH-S2-AI-IQ

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

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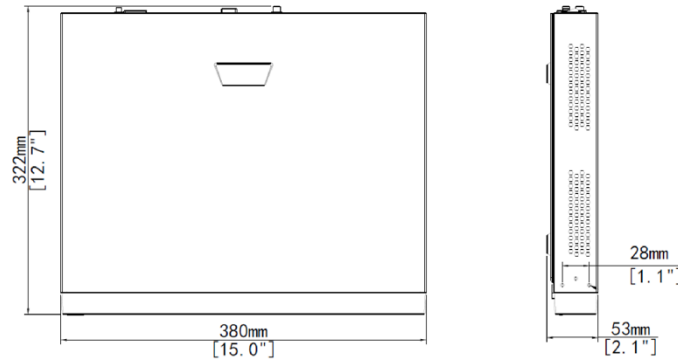
- Support cloud upgrade

Specifications

Decoding	Description
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, 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
Audio Compression	G.711A, G.711U
Network	**Description**
Incoming Bandwidth	Smart Off：320Mbps Smart On：160Mbps
Outgoing Bandwidth	160Mbps
Remote Users	128
Protocols	TCP/IP;P2P;NTP;DHCP;PPPoE;HTTP;HTTPS;DNS;DDNS;SNMP;SMTP;NFS;RTSP;IPV6
Browser(Plugin)	Windows:IE(IE10/11), Firefox (version 52.0 and above), Chrome(version 45 and above), Edge(version 79 and above)
Video/Audio Input	**Description**
IP Video Input	16-ch
RCA Audio Input	1-ch
Video/Audio Output	**Description**
HDMI Output	HDMI:4K(3840x2160)/30Hz, 1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
VGA Output	VGA:1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
RCA Audio Output	1-ch
Liveview Display	1/4/6/8/9/16
Corridor Mode Screen	3/4/5/7/9/10/12/16
Two-way Audio	**Description**
Two-way Audio	1-ch, RCA(Using the audio input and output)
Snapshot	**Description**
FTP/Schedule/Event Snapshot	4-ch snapshot, up to 4K resolution
Recording	**Description**
Recording Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIF
Synchronous Playback in Local	16-ch
Smart	**Description**
VCA Detection by IPC	Face Detection;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
Smart by IPC	All channels (up to 8 images/s in total)Face Detection, 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	**Description**
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	**Description**
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	**Description**
SATA	2 SATA Interfaces
Capacity	Up to 16TB for each HDD(The maximum HDD capacity varies with environment temperature)
Disk Group	Support
Redundant Storage	Support
Disk Array Type	RAID 1
External Interface	**Description**
Network Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet Interface
USB	Front panel: 1 x USB2.0;Rear panel: 1 x USB2.0, 1 x USB3.0
RS485	1
RS232	N/A
Alarm In	8-ch
Alarm Out	2-ch
Power Supply	AC 100~240V
Power Switch	Support
PoE	**Description**
Interface	16 RJ45 10M/100M self-adaptive Ethernet Interface
Max Power	Max 30W for single port, Max 240W in total
Supported Standard	IEEE 802.3at, IEEE 802.3af
Working Environment	**Description**
Working Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Working Humidity	≤ 90% RH (non-condensing)
Power Consumption (without HDD)	≤ 12W
Dimensions	**Description**
Weight (without HDD)	≤ 2.7Kg (6.0lb)
Height	1U
Dimensions	380mm × 322mm × 53mm (15.0"×12.7"×2.1")

Certification	Description
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

Rear Panel