GNVRN416P5AI

NETWORK VIDEO RECORDER

PoE 16 Channel H.265 16MP NVR with 4 HDD Bays, Facial Recognition and LPR Support



Key Features

- Support 16CH 16MP/12MP/9MP/8MP/6MP/5MP /4MP/3MP/1080P/1280×1024/960P/
- 720P/960H/D1/CIF IPC Input
- H.265S/H.265+/H.265/H.264
- Intuitive and user-friendly Graphic User Interface (GUI), Windows style operation by mouse
- Multi-type recording: manual / timed / motion / sensor / POS / AI recording
- Playback : 16 CH simultaneous playback
- Search : time slice, time, event, tag and smart search
- Support face detection and comparison
- Support POS information overlay on live view and playback
- Support multiple VCA (Video Content Analytics) events, such as object abandoned/ missing, region intrusion, tripwire, video exception, etc.
- Support license plate recognition
- Pentaplex: preview, record, playback, backup and remote access
- DHCP, DDNS, PPPoE network protocol
- Compatible with third-party IPCs, such as ONVIF, etc.
- Remote control via Web Client or CMS: preview, playback, backup, PTZ and configuration
- Supports 16CH PoE IPC direct connection to NVR via PoE ports
- Multi-user online simultaneously
- Authorisation management, log view and device status view
- 4K output, true high resolution display
- Support PTZ preset and auto cruise
- Support NAT function and QRCode scanning by mobile phones
- Powerful mobile surveillance by smart phones with iOS and Android OS

The Genie **GNVRN416P5AI** is a 16-channel high-definition 16MP network video recorder with 4HDD bays. The **GNVRN416P5AI** also supports face recognition when used in conjunction with any "Xpert" range of face recognition and LPR IP cameras. The **GNVRN416P5AI** features up to 16 channel simultaneous playback as well as 16 PoE network ports which supports direct connection from the IP camera to the NVR. The NVR can support the latest H.265 and H.264 encoding streams. The **GNVRN416P5AI** NVR has a dedicated iPhone and Android app (Super Live Plus) and are supplied with free Windows / MAC CMS software.



Specification

System

OS	Embedded Linux
Mobile OS	iOS, Android

Video

Compression	H.265S/H.265+/H.265/H.264
IP Video Input	16CH IPC input
Resolution	16MP/12MP/9MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF
Network Bandwidth	192Mbps/192Mbps(incoming/outgoing) *When the AI function of the IPC is enabled, the actual incoming bandwidth(max.bitrate) is more than the set value in the NVR.
Output	HDMI1: 3840 × 2160/1920 × 1080 / 1280 × 1024 / 1024 × 768 HDMI2: 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA ×1: 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA and HDMI1 output the same video source
Multi-Screen Display	Main output: 1/4/6/8/9/13/16 (live view) AUX output: 1/4/6/8/9 (live view) Max. 16+9CH local live view

Audio

Network Input	16 CH IPC audio input
Two-Way Audio	RCA × 1
Local Output	RCA × 1
Compression	G.711 (A/U)

Record

Record Stream	Dual stream recording
Resolution	16MP/12MP/9MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF
Frame Rate	NTSC: 30fps; PAL: 25fps

Cloud Storage

Number of Channels	8CH
Record	Resolution: 1080P/720P Frame Rate: 15fps

Playback

Simultaneous Playback	Max 16 CH
Search	Time slice / Time / Event / Tag / Smart search
Function	Play, pause, FF, FB, digital zoom, etc.

Decoding Capability

Live View/ Playback	Non-AI Mode: 1×16MP@30fps/4×8MP@30fps/9×3MP@30fps/16×2MP@30fps AI Mode:1×16MP@30fps/4×6MP@30fps/9×3MP@30fps /16×720P@30fps

Alarm

Mode	Manual, Sensor, Motion, Exception, Smart events etc.
Input	16CH local alarm input
Output	4 CH
Triggering	Record, Snap, Preset, E-mail, etc.

Face

Face Detection Performance (AI by IPC)	16CH
Face Detection Performance (AI by NVR)	PicSearch disabled: 2 CH(2MP) or 1CH (4MP) PicSearch enabled: 1CH(2MP) or 1CH (4MP)
Face Match Performance	PicSearch disabled: 6 CH PicSearch enabled: 3CH
Comparison Capability	18 pictures / second
Face Picture Database	32 libraries Up to 1,000 face pictures when each picture is ≤15KB
Face Picture Search	Search by picture is supported
Database Management	Add, modify, delete and search face pictures
Face Picture Adding	Add face pictures through APP, WEB and external import
Face Picture Comparison	Supports successful face recognition alarm and stranger match alarm
Track	Track display on a map
Statistical Graph of Information	Bar graph
Statistical Mode of Information	Statistics by day, week, month, quarter as well as customised time period

Perimeter Protection

Human/Vehicle Classification (AI by IPC)	16CH
Human/Vehicle Classification (AI by NVR)	PicSearch disabled: 2 CH(2MP) or 1CH (4MP) PicSearch enabled: 1CH(2MP) or 1CH (4MP)

Video Metadata

Human/Vehicle Attribute Analysis (AI by IPC)	Yes

Network

Interface	RJ 45 1000 Mbps × 2
Protocol	TCP / IP, HTTP, HTTPs, 802.1X, FTP, DHCP, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IPv6, IPv4, UDP, WebSocket, PPPoE, SNMP, IGMP
Client Connection	Max.64 users access

Other Functions

Fisheye	Supports fisheye dewarping via NVR/Web Client/mobile APP
Plate Recognition (AI by IPC)	Yes (License plate database: up to 5000 plate numbers)

Bioaccess Sales Ltd. reserves the right to change specifications without notice. Please contact your representative to confirm current specifications.

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Specification

PoE

PoE Port	RJ 45 100Mbps × 16
Standard	IEEE802.3AF/AT
Output Power	≤ 200W

Others

Power Supply	100~240VAC, 50~60Hz
Consumption	≤ 20W (without HDD and PoE power supply)
Certificate	CE, FCC
Environmental Protection	Complies with Directive EU RoHS, REACH and WEEE
Working Environment	-10~50°C, 10%~90% (Humidity)
Dimensions	440 × 390 × 70 mm

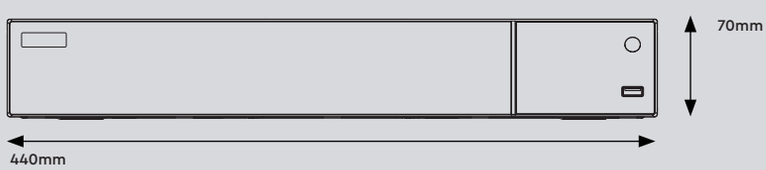
Storage & Backup

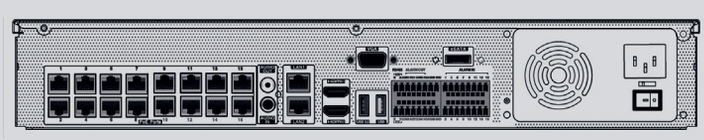
HDD Interface	SATA × 4, max 16T for each HDD
E-SATA Interface	E-SATA × 1
Local Backup	U disk, USB mobile HDD
Network Backup	Yes

Port

RS485	Yes (Full-duplex), Connect to PTZ or keyboard
USB	USB 3.0 × 1, USB 2.0 × 2
Remote Controller	Optional

Dimensions





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