GHDVRN581A

DIGITAL VIDEO RECORDER

8 Channel 5-in-1 High Definition DVR



genie PSTI Compliant

genie NDAA Compliant

Key Features

- 8CH TVI/AHD/CVI/4K/5MP/4MP 1080p/720p/WD1 video input
- 8CH DVR's default support 4 CH 5MP/4MP/3MP/1080p/960p/720p IP video input by default
- 8CH analog video input can be switched to 8CH IP video input for 8CH DVR
- Standard H.265 high profile compression format to get high-quality video at much lower bit rate
- Intuitive and user-friendly Graphics User Interface (GUI), window style operation by mouse
- Multi-mode recording: manual/timer/sensor/motion/ AI recording
- Playback : 8CH simultaneous playback
- Search: time slice, time, event (manual, motion), tag search
- Express and flexible backup via USB, Network and so on
- Pentaplex: preview, record, playback, backup and remote access
- DHCP, DDNS, PPPoE network protocol
- Remote control via Web Client or CMS: preview, playback, backup, PTZ and configuration
- Support remote network transmission and remote surveillance with mobile device
- Multi-user online simultaneously
- Authorisation management, log review and device status review
- HDMI 4K output, true high resolution display
- Support PTZ preset and auto cruise, up to 255 presets and 8 cruises
- Support NAT function and QR code scanning by mobile phones
- Powerful mobile surveillance by smart phones with iOS and Android OS
- NDAA compliant

The Genie **GHDVRN581A** is a 5-in-1, 8-channel DVR compatible with AHD, TVI, CVI, CVBS and IP cameras. It has the ability to connect analogue and IP cameras simultaneously and uses H.265 high-profile compression, providing longer recording times compared with H.264 encoding. Supporting real-time recording and simultaneous 8-channel playback, the GHDVRN581A is a highly versatile, cost-effective solution suitable for a wide range of CCTV applications.



genie

Specification

System

OS	Embedded Linux

Video

Analogue Video Input	BNC x8
	BNC interface (1.0Vp-p, 75Ω)
	TVI/AHD/CVI : 4K @15fps/5MP@20fps; 4MP/1080P/720P @30fps; Supports CVBS
IP Video Input	4CH (Up to 12CH)
	Up to 5MP@30fps
Total Input	12CH
Output	HDMI × 1 : 3840 × 2160 / 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA × 1 : 1920 × 1080 / 1280 × 1024 / 1024 × 768 BNC × 1 : CVBS (used as the main or spot output)
Compression	H.264/H.265/H.265+
Multi-screen Display	1 /4/6/9/13/16

Audio

Input	RCA x8
Output	RCA x1 (Linear, 600Ω)
Two-Way Audio	Take up channel one audio input
Compression	G.711(U/A)

Record

Resolution	8MP Lite/5MP Lite/4MP Lite / 1080P/1080P Lite/720P/WD1
Frame Rate	Analog Channel: 8MP Lite:8fps; 5MP Lite@12fps (PAL / NTSC); 4MP Lite/1080P@12fps(PAL) / 15fps (NTSC) 1080P Lite/720P/WD1@25fps (PAL) / 30fps (NTSC) IP Channel: 25fps (PAL) / 30fps (NTSC)
Bit Rate	32Kbps ~ 4Mbps
Mode	Manual, Timer, Motion, Smart Event

Mobile Device

OS	iOS, Android

Storage

HDD	SATA×1, up to 10TB; E-SATA×1

Playback

Playback	8CH
Search	Time Slice / Time / Event / Tag Search
Smart Search	Highlight colours to display the camera record in a certain period of time, different colours refer to different record events
Function	Play, Pause, FF, FB, Digital Zoom, etc.

Alarm

Mode	Manual, Motion, Exception, Smart Event
Input	8CH
Output	2CH

Network

Interface	RJ45 100Mbps x 1
Protocol	TCP / IP, IPv4, IPv6, PPPoE, DHCP, DNS, DDNS, UPnP, HTTP, HTTPS, 802.1x, FTP, RTP, RTSP, RTCP, NTP, SMTP, UDP, Websocket, SNMP, IGMP
Incoming Bandwidth	32Mbps(max.60Mbps)
Outgoing Bandwidth	60Mbps
Client Connection	Max. 5 users access

AI Function

Smart Motion Detection Performance	8CH
Perimeter Protection Performance	1CH (target detection enabled)

Backup

Local Backup	U disk, USB mobile HDD
Network Backup	Yes

Port

RS485	Yes (Half-duplex), Connect to PTZ or Keyboard
USB	USB 2.0 × 2
Remote Controller	Optional

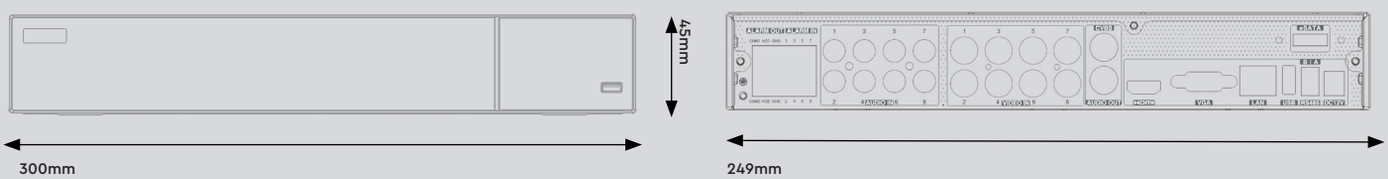
Bioaccess Sales Ltd. reserves the right to change specifications without notice. Please contact your representative to confirm current specifications.

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Others

Power Supply	DC12V/2A
Consumption	≤10W (Without HDD)
Working Environment	-10~50°C, 10%~90% (humidity)
Dimensions	300 × 249 × 45mm (W × D × H)
Certificate	CE, FCC
Environmental Protection	Directive EU RoHS, WEEE, REACH

Dimensions



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