WAHDN5162A

DIGITAL VIDEO RECORDER

16 Channel 5-in-1 High Definition 1080p DVR with 1HDD Bay and Alarms

genie NDAA Compliant

Key Features

- Supports 16 CH TVI / AHD /CVI 5MP / 4MP / 1080P / 720P / WD1 video input
- Supports 8 CH 5MP / 4MP / 3MP / 1080P / 960P / 720P IP video input
- 8CH analog video input can be switched to 8CH IP video input
- 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 / timed / motion /sensor / AI recording
- Playback : 16 CH simultaneous playback
- Search: time slice, time, event, tag and smart 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
- Authorization management, log review and device status review
- 1080P output, true high resolution display
- Supports PTZ preset and auto cruise, up to 255 presets and 8 cruises
- Supports NAT function and QRCode scanning by mobile phones
- Powerful mobile surveillance by smart phones with iOS and Andriod OS

The Genie **WAHDN5162A** is a 5-in-1 DVR compatible with AHD, TVI, CVI, CVBS and IP cameras available in 4 and 8 channel formats. The DVR has the ability to connect to analogue and IP cameras simultaneously and encode the video streams using the H.265 high profile compression format which gives longer recording times compared to H.264 encoding. Real time recording is achievable up to 1080p video supporting resolution up to 5MP in AHD, TVI and IP. The **WAHDN5162A** is a highly versatile cost effective solution suitable for many CCTV applications.

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Specification

System

OS	Embedded Linux

Video

Analogue Video Input	BNC x16
	BNC interface (1.0Vp-p; 75Ω)
	TVI / AHD / CVI : 5MP @ 20fps; 4MP / 1080P / 720P / WD1 @ 30fps (live)
IP Video Input	8CH (up to 16CH)
	Up to 5MP @ 30fps
Total Input	24CH
Output	HDMI × 1 : 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 / 8 / 9 / 13 / 16 / 25

Audio

Input	RCA x 8
Output	RCA x 1 (Linear, 600Ω)
Two-Way Audio	Take up channel one audio input
Compression	G.711 (U/A)

Record

Resolution	5MP Lite / 4MP Lite / 1080P/1080P Lite / 720P / WD1
Frame Rate	Analog Channel: 5MP Lite@10fps (PAL / NTSC); 4MP Lite/1080P@12fps(PAL) / 15fps (NTSC); 1080P Lite/720P/ WD1/D1@25fps (PAL) / 30fps (NTSC)
	IP Channel: 25fps (PAL) / 30fps (NTSC)
Bit Rate	32Kbps ~ 5Mbps
Mode	Manual, Timer, Motion, Smart Event

Playback

Playback	16CH
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	16CH
Output	4CH

AI Function

Smart Motion Detection Performance	16CH
Perimeter Protection Performance	1CH

Network

Interface	RJ 45 1000Mbps × 1
Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, HTTP, HTTPs, NTP, SMTP
Incoming Bandwidth	32Mbps (max. 64Mbps)
Outgoing Bandwidth	96Mbps
Client Connection	Max. 10 users access

Mobile Device

OS	iOS, Android

Storage

HDD	SATA×2, up to 10TB per HDD; E-SATA×1

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 ×1; USB3.0×1
Remote Controller	Optional

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Others

Power Supply	DC12V / 4A
Consumption	≤ 15W (without HDD)
Dimensions(mm)	380 × 268 × 45 (W × D × H)
Working Environment	-10~50℃, 10%~90% (humidity)
Certificate	CE, FCC
Environmental Protection	Directive EU RoHS, WEEE, REACH

Dimensions

45mm

380mm

268mm

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