

WAHDN2161A

DIGITAL VIDEO RECORDER

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



Key Features

- Supports 16 CH TVI/AHD/TVI 5MP/4MP 1080p/720p/WD1 video input
- Supports 8 CH 5MP/4MP/3MP/1080p/960p/720p IP video input by default
- 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/Motion
- Playback : 16 CH simultaneous playback
- Multi-user online simultaneously
- 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 PTZ preset and auto cruise, up to 255 presets and 8 cruises
- P2P ready for hassle free remote access
- Dual stream technology for local storage with high definition, remote network transmission and remote surveillance with mobile device
- Authorisation management, log review and device status review
- 1080p output, true high resolution display
- 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 WAHDN2161A 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 WAHDN2161A is a highly versatile cost effective solution suitable for many CCTV applications.



genie

Specification

System

OS Embedded Linux

Video

Analogue Video Input BNC x16
BNC interface (1.0Vp-p, 75Ω)
TVI / AHD / CVI : 5MP / 4MP / 1080p / 720p / WD1 (Live)

IP Video Input 8CH (Up to 16CH)
Up to 5MP @ 30fps

Total Input 24CH

Output HDMI x1 : 1920×1080 / 1280×1024 / 1024×768

VGA x1 : 1920×1080 / 1280×1024 / 1024×768

BNC x1 : CVBS (Used as the main or spot output)

Compression H.264 / H.265

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 5MP Lite / 4MP Lite / 1080p / 1080p Lite / 720p / WD1 / D1

Analogue Channel:
5MP Lite @ 10fps (PAL / NTSC)

4MP Lite / 1080p @ 12fps (PAL) / 15fps (NTSC)

Frame Rate

1080p Lite / 720p / WD1 / D1 @ 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 x2, Up to 8TB per HDD, E-SATA x1

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

Network

Interface RJ45 1000Mbps x 1

Protocol TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, HTTP, HTTPS, NTP, SMTP

Incoming Bandwidth 32Mbps (Max. 64Mbps)

Outgoing Bandwidth 96Mbps

Remote Monitoring

Immix Compatible with Immix via RTSP only (2-way audio not supported)

Sentinel Yes, Firmware 1.1.0 or later

Backup

Local Backup USB stick, USB mobile HDD

Network Backup Yes

Port

RS485 Yes (Half-duplex), Connect to PTZ or Keyboard

USB USB 2.0 × 2

Remote Controller Optional

Others

Power Supply DC12V / 4A

Consumption ≤15W (Without HDD)

Working Environment -10~50°C, 10%~90% (Humidity)

Dimensions 300 × 268 × 45 mm

Dimensions

