

DI-AH432-H

TURBO HD DVR



Key Feature

- Deep learning-based perimeter protection
- Deep learning-based motion detection 2.0 for all analog channels
- Up to 48-ch IP camera inputs and 4 SATA interfaces
- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 video compression
- Up to 1080p@15 fps encoding capability
- HDTV/AVD/CVI/CVBS/IP video inputs
- Up to 48-ch network camera inputs
- POS triggered recording and POS information overlay

Compression and Recording

- H.265 Pro+ video compression improves encoding efficiency, and reduces data storage costs
- Full channel recording at up to 4 MP Lite resolution

Storage and Playback

- 4 SATA interfaces and 1 eSATA interface
- 16-ch 1080p@30 fps decoding capability
- Smart search for efficient playback

Network & Ethernet Access

- 2 self-adaptive 10/100/1000 Mbps Ethernet interfaces
- Guarding Vision & DDNS (Dynamic Domain Name System) for easy network management
- Output bandwidth limit configurable

▪ Specification

Motion Detection 2.0	
Human/Vehicle Analysis	<p>Deep learning-based motion detection 2.0 is enabled by default for all analog channels, it can classify human and vehicle, and extremely reduce false alarms caused by objects like leaves and lights;</p> <p>Quick search by object or event type is supported;</p>
Recording	
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
Encoding Resolution	<p>When 1080p Lite mode is not enabled: 3K lite/4 MP Lite/1080p/720p/VGA/WD1/4CIF/CIF;</p> <p>When 1080p Lite mode is enabled: 3K lite/4 MP Lite/1080p Lite/720p Lite/VGA/WD1/4CIF/CIF</p>
Frame Rate	<p>Main stream:</p> <p>When 1080p Lite mode is not enabled:</p> <p>For 3K stream access: 3K lite@12fps;4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@20fps</p> <p>For 4 MP stream access: 4 MP Lite@15 fps; 1080p Lite/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N)</p> <p>For 1080p stream access: 1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25fps (P)/30 fps (N)</p> <p>For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)</p> <p>When 1080p Lite mode is enabled: 3K lite@12fps;4 MP Lite@15 fps; 1080p Lite/720p Lite/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)</p> <p>Sub-stream: WD1/4CIF@12 fps; CIF@25 fps (P)/30 fps (N)</p>
Video Bitrate	32 Kbps to 6 Mbps
Dual-stream	Support
Stream Type	Video, Video & Audio
Audio Compression	G.711u
Audio Bitrate	64 Kbps
Video and Audio	
IP Video Input	<p>16-ch (up to 48-ch)</p> <p>Up to 6 MP resolution</p> <p>Support H.265+/H.265/H.264+/H.264 IP cameras</p>

Analog Video Input	32-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
Incoming Bandwidth	200 Mbps
Outgoing Bandwidth	160 Mbps
HDTVI Input	3K, 4 MP, 1080p25, 1080p30, 720p25, 720p30
AHD Input	4 MP, 1080p25, 1080p30, 720p25, 720p30
HDCVI Input	1080p25, 1080p30, 720p25, 720p30
CVBS Input	PAL/NTSC
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
HDMI 1 Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
HDMI 2 Output	1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
VGA Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Video Output Mode	HDMI1/VGA simultaneous output, HDMI2/VGA independent output
Audio Input	4-ch, RCA (2.0 Vp-p, 1 KΩ)
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ) (independent)
Synchronous Playback	16-ch
Network	
Remote Connection	128
Network Protocol	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF, SNMP
Network Interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface
Auxiliary Interface	
Serial Interface	RS-232, RS-485 (full-duplex), keyboard
SATA	4 SATA interfaces
eSATA	Support
Capacity	Up to 12 TB capacity for each disk
Alarm In/Out	16/4
USB Interface	Front panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0
General	
Power Supply	100 to 240 VAC, 50 to 60 Hz
Consumption	≤ 40 W (without HDD)
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	10% to 90%

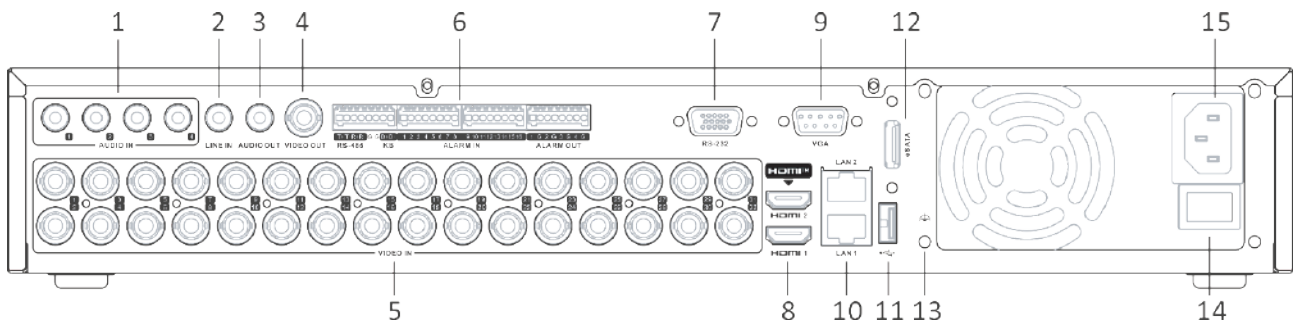
Dimension (W × D × H)	445 × 400 × 71 mm (17.5 × 15.7 × 2.8 inch)
Weight	≤ 7 kg (without HDD, 15.4 lb.)

Note:

1: Motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the other one unavailable.

2: The number of audio inputs and alarm in/out can be optional. The tag on the package will describe audio input and alarm in/out parameters. For example, “4A+8/4ALM” means your device has 4 audio inputs, 8 alarm inputs and 3 Alarm outputs. If your device only has 1 audio input, the tag may not describe it.

Physical Interface



No.	Description	No.	Description
1	Audio in	9	VGA interface
2	Line in	10	LAN1 and LAN2 interfaces
3	Audio out	11	USB interface
4	Video out	12	eSATA interface
5	Video in	13	GND
6	Alarm out, alarm in, RS-485, and keyboard	14	Power switch
7	RS-232 interface	15	Power supply
8	HDMI1 and HDMI2 interfaces		

Available Model

DI-AH432-H