iDS-7200HUHI-M2/S SERIES TURBO ACUSENSE DVR

114-011C

Key Feature

- Deep learning-based motion detection 2.0 for all analog channels
- Deep learning-based perimeter protection
- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 video compression
- HDTVI/AHD/CVI/CVBS/IP video inputs
- Audio via coaxial cable
- Up to 8/16/32-ch IP camera inputs (up to 8 MP)
- Up to 10 TB capacity per HDD

Compression and Recording

- H.265 Pro+ video compression improves encoding efficiency, and reduces data storage costs
- Recording at up to 8 MP resolution

Storage and Playback

- 2 SATA interfaces
- Smart search for efficient playback
- Support the third party cloud storage

Smart Function

- Deep learning-based motion detection, and perimeter protection (line crossing and intrusion detection)
- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras

Network & Ethernet Access

- Compatible with major Wi-Fi dongle products in the market
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
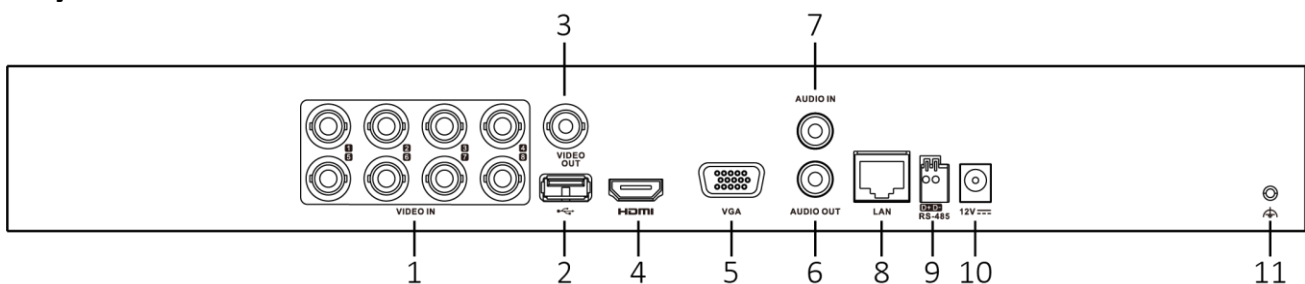- Output bandwidth limit configurable

Specification

Model	iDS-7204HUHI-M2/S	iDS-7208HUHI-M2/S	iDS-7216HUHI-M2/S
Motion Detection 2.0[1]			
Human/Vehicle Analysis	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; Quick search by object or event type is supported;		
Perimeter Protection[1]			
Human/Vehicle Analysis	Up to 4-ch		
Recording			
Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264		
Encoding resolution	Main stream: 8 MP@8 fps/5 MP@12 fps/3K@12 fps/4 MP@15 fps/8 MP Lite@15 fps/3 MP@18 fps 1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N) ***: 8 MP@8 fps is only available for channel 1, 8 MP Lite is only available for channel 2 to channel 4.**	Main stream: 8 MP@8 fps/5 MP@12 fps/3K@12 fps/4 MP@15 fps/3 MP@18 fps 1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N)	
	Sub-stream: WD1/4CIF/CIF@25 fps (P)/30 fps (N)		
Video bit rate	32 Kbps to 10 Mbps		
Dual stream	Support		
Stream type	Video, Video & Audio		
Audio compression	G.711u		
Audio bit rate	64 Kbps		
Video and Audio			
IP video input[2]	2-ch (up to 6-ch) Enhanced IP mode on: 4-ch (up to 8-ch), each up to 4 Mbps	4-ch (up to 12-ch) Enhanced IP mode on: 8-ch (up to 16-ch), each up to 4 Mbps	8-ch (up to 24-ch) Enhanced IP mode on: 16-ch (up to 32-ch), each up to 4 Mbps
	Up to 8 MP resolution		
	Support H.265+/H.265/H.264+/H.264 IP cameras		
Analog video input	4-ch	8-ch	16-ch
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		
HDTVI input	8 MP@15 fps, 5 MP@20 fps, 3K@20 fps, 4 MP@30 fps, 4 MP@25 fps, 3 MP@18 fps, 1080p@30 fps, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps	8 MP@15 fps, 5 MP@20 fps, 3K@20 fps, 4 MP@30 fps, 4 MP@25 fps, 3 MP@18 fps, 1080p@30 fps, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps	
AHD input	5 MP@20 fps, 4 MP@30 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps		
HDCVI input	4 MP@30 fps, 4 MP@25 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps		

CVBS input	PAL/NTSC		
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz HDMI/VGA simultaneous output		
HDMI output	1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output	1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output	
Audio input[3]	1-ch (up to 4-ch is optional), RCA (2.0 Vp-p, 1 KΩ)	1-ch (up to 8-ch is optional), RCA (2.0 Vp-p, 1 KΩ)	1-ch (up to 16-ch is optional), RCA (2.0 Vp-p, 1 KΩ)
	4-ch via coaxial cable	8-ch via coaxial cable	16-ch via coaxial cable
Audio output	1-ch, RCA (Linear, 1 KΩ)		
Two-way audio	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)		
Synchronous playback	4-ch	8-ch	16-ch
Network			
Remote connection	32	64	128
Network protocol	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF		
Network interface	1, RJ45 10/100 Mbps self-adaptive Ethernet interface	1, RJ45 10/100/1000 Mbps self-adaptive Ethernet interface	
Wi-Fi	Connectable to Wi-Fi network by Wi-Fi dongle through USB interface		
Auxiliary interface			
SATA	2 SATA interfaces		
Capacity	Up to 10 TB capacity for each disk		
Serial interface	RS-485 (half-duplex)		
USB interface	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 2.0	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0	
Alarm in/out[3]	N/A (optional to support)		
General			
Power supply	12 VDC, 2.3 A	12 VDC, 2.8 A	12 VDC, 5 A
Consumption (without HDD)	≤ 10 W	≤ 15 W	≤ 19 W
Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)		
Working humidity	10% to 90%		
Dimension (W × D × H)	380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)		
Weight (without HDD)	≤ 1.16 kg (2.6 lb)	≤ 1.78 kg (3.9 lb)	≤ 2.1 kg (4.6 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: Enhanced IP mode might be conflicted with smart events (face picture comparison, motion detection 2.0 and perimeter protection) or other functions, please refer to the user manual for details.

3: 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 4 alarm outputs. If your device only has 1 audio input, the tag may not describe it.

Physical Interface

 *: The rear panel of iDS-7204HUHI-M2/S and iDS-7216HUHI-M2/S provide 4 or 16 video input interfaces.

No.	Description	No.	Description
1	VIDEO IN	7	AUDIO IN, RCA connector
2	USB interface	8	LAN network interface
3	VIDEO OUT	9	RS-485 serial interface
4	HDMI interface	10	12 VDC power input
5	VGA interface	11	GND
6	AUDIO OUT, RCA connector		

ORDERING INFORMATION

114-011C   Hikvision iDS-7204HTHI-M1/S(C) 4CH 4K DVR inc 2TB HDD

Innovative Electronic Solutions
www.ness.com.au

NSW Ph 02 8825 9222   **VIC** Ph 03 9875 6400   **QLD** Ph 07 3399 4910   **WA** Ph 08 9328 2511   **SA** Ph 08 8152 0000
sales@ness.com.au   nessmelb@ness.com.au   nessbris@ness.com.au   nessper@ness.com.au   adelaide@ness.com.au

© Ness Corporation Pty Ltd ABN 28 069 984 372. Photos are used for illustrative purposes only. Design and specifications may vary. See the Ness Corporation web site for full warranty details.