

iDS-7316HUHI-K4/16S SERIES TURBO HD DVR



Features and Functions

Appearance Design

- Typical chassis design to guarantee the low noise and environmental protection of the device
- Front slot of DVD-R/W for more convenient installation and maintenance

Video Input and Transmission

- Self-adaptive HDTV/HDCVI/AHD/CVBS signal input
- Up to 18-ch 8 MP IP cameras input
- Long distance transmission over UTP and coaxial cable: max. 800 m for 1080p and 1200m for 720p HDTV signal

Compression and Recording

- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 encoding for the main stream, and H.265/H.264 for the sub-stream of analog cameras
- Connectable to H.265+/H.265/H.264+/H.264 IP cameras
- H.265+ can be enabled to improve encoding efficiency and reduce data storage costs
- Supports POS triggered recording and POS information overlay

Video Output

- HDMI 1, HDMI 2, VGA, and CVBS outputs provided
- HDMI 2 output at up to 4K (3840 × 2160) resolution

Storage and Playback

- 4 SATA interfaces (up to 10 TB capacity per HDD) and 1 eSATA interface
- USB 3.0 provides high-speed file transfer and backup
- 16-ch synchronous playback
- Smart search for efficient playback
- Supports third party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

Smart Function

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Supports 4-ch line crossing detection and intrusion detection, and 1-ch sudden scene change detection
- Deep learning-based analysis: re-recognition of the human body target in behavior detection to filter false alarm

Network & Ethernet Access

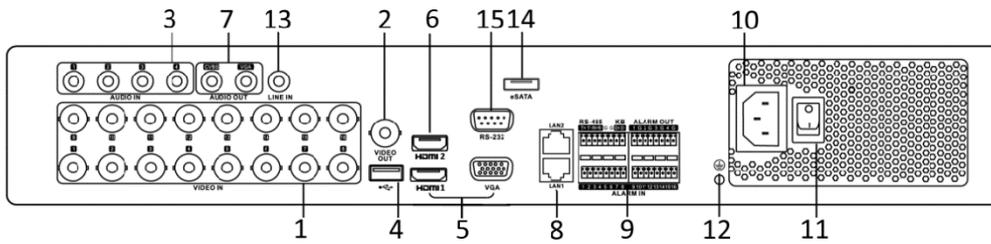
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- One RJ45 10M/100M/1000M Ethernet network interface
- Output bandwidth limit configurable



Specifications

Model	iDS-7316HUHI-K4/16S	
Human body detection and analysis	Behavior detection analysis	False alarm filtering and picture re-recognition for up to 16-ch behavior (line crossing and intrusion) detection
	Human body detection	False alarm filtering and picture re-recognition for human body detection
Video/Audio input	Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
	Analog video input	16-ch
		BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
	HDTV I input	8 MP/15Hz, 8 MP/12.5Hz, 5 MP/20Hz, 5 MP/12Hz, 4 MP/30Hz, 4 MP/25Hz, 3 MP/18Hz, 1080p/30Hz, 1080p/25Hz, 720p/60Hz, 720p/50Hz, 720p/30Hz, 720p/25Hz
	AHD input	5 MP/20Hz, 4 MP/30Hz, 4 MP/25Hz, 1080p/30Hz, 1080p/25Hz, 720p/30Hz, 720p/25Hz
	HDCVI input	4 MP/30Hz, 4 M/25Hz, 1080p/30Hz, 1080p/25Hz, 720p/30Hz, 720p/25Hz
	CVBS input	PAL/NTSC
	IP video input	2-ch (up to 18-ch)
		Up to 8 MP resolution
		Supports H.265+/H.265/H.264+/H.264 IP cameras
Audio compression	G.711u	
Audio input	4-ch, RCA (2.0 Vp-p, 1 KΩ)	
Video/Audio output	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
	HDMI 1/VGA output	HDMI 1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
		VGA: 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
	Encoding resolution	8 MP/5 MP/4 MP/3M/1080P/720P/WD1/4CIF/VGA/CIF
	Frame rate	Main stream: 8 MP@8 fps/5 MP@12 fps/4 MP@15 fps/3 M@18 fps/1080P/720P/WD1/4CIF/VGA/CIF
		Sub-stream: WD1/4CIF/CIF@25fps (P)/30fps (N)
	Video bit rate	32 Kbps to 10 Mbps
	Audio output	2-ch, RCA (Linear, 1 KΩ)
	Audio bit rate	64 Kbps
	Dual stream	Support
	Stream type	Video, Video & Audio
	Synchronous playback	16-ch
	Hard disk	SATA
eSATA		1 eSATA interface
Capacity		Up to 10 TB capacity for each disk
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)
	Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
	USB interface	Front panel: 2 × USB 2.0
		Rear panel: 1 × USB 3.0
	Serial interface	RS-232, RS-485 (full-duplex), Keyboard
General	Alarm in/out	16/4
	Power supply	110 to 220 VAC
	Consumption (without HDD)	≤ 110 W
	Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)
	Working humidity	10% to 90%
	Dimensions (W × D × H)	440 × 407 × 75 mm (17.3 × 16.0 × 3.0 inch)
Weight (without HDD)	≤ 5 kg (11.0 lb)	

Physical Interfaces



Index	Description	Index	Description
1	VIDEO IN	9	RS-485 Serial Interface, Keyboard Interface, ALARM IN and ALARM OUT
2	VIDEO OUT	10	100 to 240 VAC Power Input
3	AUDIO IN of RCA Connector	11	Power Switch
4	USB Interface	12	GND
5	HDMI 1/VGA Interface	13	LINE IN
6	HDMI 2 Interface	14	eSATA Interface
7	CVBS AUDIO OUT	15	RS-232 Serial Interface
8	LAN Network Interfaces		

Available Model

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