

## 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 HDTVI/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 HDTVI 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



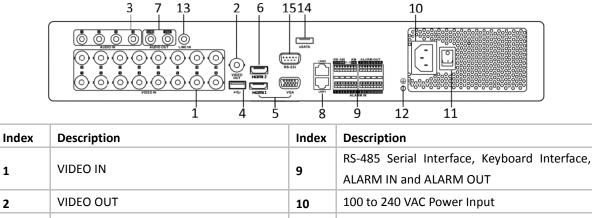


# Specifications

Human body detection analysis   False alarm filtering and picture re-recognition for up to 16-ch behavior (line crossing and intrusion) detection     Video compression   H265 Pro-/H.265 Pro/H.265/H.264-/H.264     Video/Audio input   H264 Pro-/H.265 Pro/H.265/H.264-/H.264     Video/Audio input   Put/POInt, A W72514, St WP2014, A W72514, 2007/2014,	Model		iDS-7316HUHI-K4/16S		
analysis   Human body detection   False alarm filtering and picture re-recognition for human body detection     Video compression   H.265 Pro+/H.265 Pro/H.265/H.264+/H.264   Alage video input   16-ch     BNC interface (1.0 Vp-p, 75 0), supporting coasitron connection   BND (114): 8, MP/12154; 7, MP/2014; 7, MP/2014; 7, 20p/2014; 7, 20p/2014; 7, 20p/2514; 7, 20p/2014; 7, 20p/2514; 7, 20p/2014; 7, 20p/2514; 7, 20p/2014; 7, 20p/2014; 7, 20p/2514; 7, 20p/2014; 7, 20p/2514; 7, 20p/2014; 7, 20p/2514; 7, 20p/2514; 7, 20p/2014; 7, 20p/2514; 7, 20p/2514; 7, 20p/2514; 7, 20p/2014; 7, 20p/2514; 7, 20p/2014; 7, 20p/2514; 7, 20p/2014; 7, 20p/2514; 7, 20p/2514; 7, 20p/2014; 7, 20p/2514; 7, 20p/2514; 7, 20p/2014; 7, 20p/2514; 7, 20p/2014; 7, 20p/2514; 7, 20p/2514; 7, 20p/2514; 7, 20p/2514; 7, 20p/2514; 7, 20p/2014; 7, 20p/2514; 7, 20p/2014; 7, 2	detection and				
Video/Audio   16-ch     BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection     HDTVI input   8 MP/15Hz, 8 MP/12 SHz, 5 MP/20Hz, 4 MP/25Hz, 3 MP/18Hz, 1080b/30Hz, 1080b/25Hz, 720b/35Hz, 720b		Human body detection	False alarm filtering and picture re-recognition for human body detection		
Analog video input   BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection     HDTVI input   8 MP/15Hz, 8 MP/125Hz, 4 MP/25Hz, 5 MP/20Hz, 7 MP/2Hz, 4 MP/25Hz, 3 MP/18Hz, 1080p/30Hz, 1080p/25Hz, 720p/30Hz, 720p/25Hz     AHD input   5 MP/20Hz, 4 MP/25Hz, 1080p/35Hz, 720p/30Hz, 720p/30Hz, 720p/25Hz     HDCVI input   4 MP/30Hz, 4 MP/25Hz, 1080p/35Hz, 720p/30Hz, 720p/30Hz, 720p/25Hz     HDCVI input   4 MP/30Hz, 4 MP/25Hz, 1080p/35Hz, 720p/30Hz, 720p/25Hz     VCVS input   PAL/NTSC     2-ch (up to 18-ch)   Up to 3 MP resolution     Supports H.256Y/H.256/H.256/H.264/H.264 IP cameras   Addio input     Addio compression   C.711u     Addio sotuput   4-ch, 6CA (20 Vp-p. 1 KO)     CVBS output   1-ch, 8H (3MV -2160)/OHT, 1280 × 1020/OHT, 1280 × 202/OHT, 1024 × 768/OHZ     HDMI 1/GA output   1-ch, 4K (3MV -2160)/OHT, 1280 × 1020/OHT, 1280 × 202/OHT, 1024 × 768/OHZ     HDMI 1/GA output   1-ch, 4K (3MV -2160)/OHT, 1280 × 1020/OHT, 1280 × 202/OHT, 1024 × 768/OHZ     HDMI 1/GA output   1-ch, 4K (3MV /1020/720FW/D1/4CIF/VGA/CIF     Fame rate   SMP/8 Pf s/M P@ 12 fps/3 M@ 18 fps/1080P/720F/WD1/4CIF/VGA/CIF     Madio bit rate   32 Kbps to 10 Mbps     Judio output   2-ch, 6CA (Linear, 1KO)     Addio output		Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264		
Video/Audio input   BMC interface (1.0 Vp-p, 75 Ω), supporting coaktron connection BMC interface (1.0 Vp-p, 75 Ω), supporting coaktron connection (1000/30Hz, 10800/30Hz, 10		Analog video input	16-ch		
Video/Audio input   HDVI input   1080/j30Hz, 10800/25Hz, 7200/j50Hz, 7200/j30Hz, 7200					
Video/Audio input   A HD input   5 MP/20Hz, 4 MP/30Hz, 4 MP/20Hz, 10800/30Hz, 1080p/25Hz, 720p/30Hz, 720p/30Hz, 720p/25Hz     HDCU input   4 MP/30Hz, 4 M/25Hz, 1080p/25Hz, 720p/30Hz, 720p/30Hz, 720p/25Hz     CVBS input   PAL/NTSC     2-ch (up to 18-ch)   Up to 8 MP resolution     Audio compression   G 7111     Audio input   4-ch, RCA (2.0 Vp-p, 1 KC)     Audio input   4-ch, RCA (2.0 Vp-p, 1 KC)     CVBS output   1-ch, BNC (1.0 Vp-p, 75 D), resolution: PAL: 704 × 576, NTSC: 704 × 480     HDM1 1/VGA output   HDM1 1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz     VG4eo/Audio   HDM1 2: output   1-ch, HSQ 1: 7200 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz     HDM1 2: output   1-ch, HSQ 1: 7200 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz     Encoding resolution   5 MP/4 MP/3M/1080P/720P/WD1/4CIF/VGA/CIF     Wadio output   2 St MSD to 10 MDpS     Audio output   2 Kbp to 10 MDp     Audio output   2 Kbp to 10 MDp </td <td>HDTVI input</td> <td colspan="2"></td>		HDTVI input			
Video/Audio output   Frame rate   SM // SM		AHD input			
Video/Audio output   2-ch (up to 18-ch) Up to 8 MP resolution Supports H.2651/H.2651/H.2651/H.2641/H.264 IP cameras     Audio compression   G.711u     Audio input   4-ch, RCA (2.0 Vp-p, 1 KC)     CVBS output   1-ch, BNC (1.0 Vp-p, 75 0), resolution: PAL: 704 × 576, NTSC: 704 × 480     HDMI 1/VGA output   1-ch, BNC (1.0 Vp-p, 75 0), resolution: PAL: 704 × 576, NTSC: 704 × 480     HDMI 1/VGA output   1-ch, BNC (1.0 Vp-p, 75 0), resolution: PAL: 704 × 576, NTSC: 704 × 480     HDMI 1/VGA output   1-ch, 4K (3840 × 2160)/3042, 2K (2560 × 1402)/6047, 1280 × 720/6047, 1024 × 768/6042     HDMI 2 output   1-ch, 4K (3840 × 2160)/3042, 2K (2560 × 1440)/6041, 1290 × 1080/6042, 1280 × 1024/6047, 1280 × 720/6047, 1024 × 768/6042     Frame rate   SUB-stream: Sub-stream: WD1/4CIF/CIF@225/ps (Pl/307041, 204 × 768/6042     Video/bit rate   3 K/by to 10 Mbps     Audio output   2-ch, RCA (Linear, 1 KΩ)     Audio bit rate   64 Kbps     Stream type   Video, Video & Audio     Stream type   Video, Video & Audio     Stream type   Video, Video & Audio	input	HDCVI input			
IP video input   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 K0)     CVBS output   1-ch, BKC (10 Vp.p., 75 D), 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     HDMI 2 output   1-ch, 4K (3840 × 2160/30Hz, 2180 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz     Encoding resolution   5 MP/4 MP/3M/1080P/720P/WD1/4CIF/VGA/CIF     Main stream:   Main stream:     Sub-stream:   WD1/4CIF/CIF@25fps (P)/30fps (N)     Video bit rate   32 Kbps to 10 Mbps     Audio output   2-ch, RCA (Linear, 1 KC)     Audio output   2-ch, RCA (Linear, 1 KC)     Audio bit rate   64 Kbps     Synchronous playback   16-ch     Sy		CVBS input	PAL/NTSC		
Image: Supports H.265/H.265/H.264/H.264 IP cameras     Audio input   6.711u     Audio input   4-ch, RCA (2.0 Vp-p, 1 K0)     CVBS output   1-ch, RCA (2.0 Vp-p, 5 0), resolution: PAL: 704 × 576, NTSC: 704 × 480     HDMI 1/VGA output   1-ch, RCA (2.0 Vp-p, 5 0), 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     HDMI 2 output   1-ch, 4(3840 × 2160)/30Hz, 2(12560 × 1440)/60Hz, 1280 × 720/60Hz, 12			2-ch (up to 18-ch)		
Audio compressionG. 711uAudio input4-ch, RCA (2.0 Vp-p, 1 KD)Audio input4-ch, RCA (2.0 Vp-p, 1 SD)CVBS output1-ch, RNC (1.0 Vp-p, 75 D), resolution: PAL: 704 × 576, NTSC: 704 × 480HDM1 1/VGA outputHDM1 1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60HzHDM1 2 output1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1220 × 768/60HzHDM1 2 output1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1220 × 768/60HzEncoding resolution5 MP/4 MP/3M/1080P/720P/WD1/4CIF/VGA/CIFMain stream: Sub-stream: WD1/4CIF/CIF@25fps (P)/30fps (N)Video bit rate32 Kbps to 10 MbpsAudio bit rate64 KbpsDual stream SupportSupportVideo bit rate64 KbpsDual stream SupportStream typeVideo, Video & AudioSynchronous playback1-ch, RCA (Linear, 1 KD)Audio bit rate64 KbpsOutput1-ch, RCA (2.0 Vp, p, 1 KD)Hard diskeSATAExternal interface1-ch, RCA (2.0 Vp, p, 1 KD)Kernal titerface1, RI45 10M/100M/1000M self-adaptive Ethernet interfaceVorking temperature1, RI45 10M/100M/1000M self-adaptive Ethernet interfaceStream in/out16/4Alarm in/out16/4Vorking temperature-10 °C to +55 °C (+14 °F to +131 °F)Working temperature-10 °C to +55 °C (+14 °F to +131 °F)Working temperature-10 °C to +55 °C (+14 °F to +131 °F)Working temperature-10 °C to +55 °C (+14 °F to +131 °F)Working temp		IP video input	Up to 8 MP resolution		
Audio input   4-ch, RCA (2.0 Vp-p, 1 KO)     CVBS output   1-ch, BNC (1.0 Vp-p, 75 G), resolution: PAL: 704 × 576, NTSC: 704 × 480     HDMI 1/VGA output   HDMI 11-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz     Video/Audio   HDMI 2 output   1-ch, 4K (3840 × 2160/0Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz     Encoding resolution   5 MP/4 MP/3M/1080P/720P/WD1/4CIF/VGA/CIF   Main stream:     Frame rate   8 M/P@@8 fps/S MP@12 fps/A MP@15 fps/3 M@18 fps/1080P/720P/WD1/4CIF/VGA/CIF     Video bit rate   32 kbps to 10 Mbps     Audio output   2-ch, RCA (Linear, 1 KO)     Audio output   1-ch, RCA (2.0 Vp-p, 1 KO)     Video/Kiterface   1.45A interface     SATA   1 sEATA interface     Queits   10-ch     Stream type   Video, Video & Audio     Stream type   Video, Video & Audio     Streal interface   1.845 10M/100M/100M self-			Supports H.265+/H.265/H.264+/H.264 IP cameras		
CVBS output   1-ch, BNC [1.0 Vp:p, 75 0], resolution: PAL: 1280 × 1024/561, 1280 × 1280 × 1024/60Hz, 1280 × 1028 × 1024/60Hz, 1280 × 108		Audio compression	G.711u		
HDMI 1/VGA output   HDMI 1: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz     VGA: 1-ch, 3920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz   1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz     Video/Audio   Encoding resolution   5 MP/94 MP/3M/1080P/720P/WD1/4CIF/VGA/CIF     Main stream:   Main stream:   Mul 1: 1-ch, 1920 × 1080/60Hz, 1280 × 1020 × 1080/60Hz, 1280 × 1020 × 1080/60Hz, 1280 × 1024 × 768/60Hz     Video bit rate   32 Kbps to 10 Mbps   Main stream:     W01/4CIF/CIF@25fps (P)/30fps (N)   W01/4CIF/VGA/CIF     Video bit rate   64 Kbps   Dual stream     Dual stream   Support   Stream type     Video, Video & Audio   SATA   4 SATA interface     Capacity   Up to 10 T8 capacity for each disk   Two-way audio input     1-ch, RCA (20 Vp-p, 1 K0)   Network interface   1, RU45 10M/100M/1000M self-adaptive Ethernet interface     External   USB interface   1, RU45 10M/100M self-adaptive Ethernet interface     Vor-way audio input   1-ch, RCA (20 Vp-p, 1 K0)   Rear panei: 1 × USB 2.0     Ferant interface   1, RU45 10M/100M/1000M self-adaptive Ethernet interface   Rear panei: 1 × USB 2.0     Serial inte			4-ch, RCA (2.0 Vp-p, 1 KΩ)		
Video/Audio   VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1202/60Hz, 1280 × 720/60Hz, 1280 × 72		CVBS output			
Video/Audio1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60HzEncoding resolution5 MP/4 MP/3M/1080P/720P/WD1/4CIF/VGA/CIFMain stream: SUb-stream: WD1/4CIF/CIF@25fps (P)/30fps (N)Video bit rate32 Kbps to 10 MbpsAudio output2-ch, RCA (Linear, 1 KΩ)Audio bit rate64 KbpsDual streamSupportStream typeVideo, Video & AudioSynchronous playback16-chSATA1 eSATA interfaceseSATA1 eSATA interfacesCapacityUp to 10 TB capacity for each diskTwo-way audio input1-ch, RCA (2.0 Vp-p, 1 KΩ)Network interfaceFront panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0Serial interfaceRS-232, RS-485 (full-duplex), KeyboardAlarm in/out16/4Power supply110 to 220 VACConsumption (without HDD)≤ 110 WWorking temperature-10 °C to +55 °C (+14 °F to +131 °F)Working humidity10% to 90%Dimensions (W × D × H)440 × 407 × 75 mm (17.3 × 16.0 × 3.0 inch)		HDMI 1/VGA output	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
Video/Audio outputMain 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/CIP@25fps (P)/30fps (N)Video bit rate32 Kbps to 10 MbpsAudio output2-ch, RCA (Linear, 1 KΩ)Audio bit rate64 KbpsDual streamSupportStream typeVideo, Video & AudioSynchronous playback16-chSynchronous playback16-chCapacityUp to 10 TB capacity for each diskCapacityUp to 10 TB capacity for each diskNetwork interface1, RI45 10M/100M/1000M self-adaptive Ethernet interfaceExternal interfaceFront panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0Serial interfaceRS-232, RS-485 (full-duplex), KeyboardAlarm in/out16/4Power supply110 to 220 VACConsumption (without HDD)< 110 W		HDMI 2 output			
Video/Audio output   Frame rate   8 MP@8 fps/5 MP@12 fps/4 MP@15 fps/3 M@18 fps/1080P/720P/WD1/4CIF/VGA/CIF Sub-stream:     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 & Audio     ynchronous playback   16-ch     Stream type   Video & Audio     ynchronous playback   16-ch     Addio up to 10 TB capacity for each disk   Capacity     Up to 10 TB capacity for each disk   Capacity     Two-way audio input   1-ch, RCA (2.0 Vp-p, 1 KΩ)     Network interface   1, RJ45 10M/100M/1000M self-adaptive Ethernet interface     VB interface   Front panel: 2 × USB 2.0     Serial interface   Rs-232, RS-485 (full-duplex), Keyboard     Alarm in/out   16/4     Consumption   < 110 W		Encoding resolution	5 MP/4 MP/3M/1080P/720P/WD1/4CIF/VGA/CIF		
Video bit rate32 Kbps to 10 MbpsAudio output2-ch, RCA (Linear, 1 KΩ)Audio bit rate64 KbpsDual streamSupportStream typeVideo, Video & AudioSynchronous playback16-chSATA4 SATA interfaceseSATA1 eSATA interfaceCapacityUp to 10 TB capacity for each diskTwo-way audio input1-ch, RCA (2.0 Vp-p, 1 KΩ)Network interface1, RJ45 10M/100M/1000M self-adaptive Ethernet interfaceUSB interfaceFront panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0Serial interfaceRS-232, RS-485 (full-duplex), KeyboardAlarm in/out16/4Vorking temperature-10 °C to +55 °C (+14 °F to +131 °F)Working humidity10% to 90%Dimensions (W × D × H)440 × 407 × 75 mm (17.3 × 16.0 × 3.0 inch)		Frame rate	8 MP@8 fps/5 MP@12 fps/4 MP@15 fps/3 M@18 fps/1080P/720P/WD1/4CIF/VGA/CIF Sub-stream:		
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     SATA   4 SATA interfaces     Capacity   Up to 10 TB capacity for each disk     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     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)		Video bit rate			
Audio bit rate   64 Kbps     Dual stream   Support     Stream type   Video, Video & Audio     Synchronous playback   16-ch     Bard disk   eSATA   4 SATA interfaces     eSATA   1 eSATA interface     capacity   Up to 10 TB capacity for each disk     Two-way audio input   1-ch, RCA (2.0 Vp-p, 1 KQ)     Network interface   1, RU45 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     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)					
Dual stream   Support     Stream type   Video, Video & Audio     Synchronous playback   16-ch     ATA   4 SATA interfaces     eSATA   1 eSATA interface     Capacity   Up to 10 TB capacity for each disk     Two-way audio input   1-ch, RCA (2.0 Vp-, 1 KΩ)     Network interface   1, RI45 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     Alarm in/out   16/4     Vorking temperature   -10 °C to +55 °C (+14 °F to +131 °F)     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)					
Stream type   Video, Video & Audio     Synchronous playback   16-ch     Hard disk   SATA   4 SATA interfaces     Capacity   Up to 10 TB capacity for each disk   1     Two-way audio input   1-ch, RCA (2.0 Vp-p, 1 KΩ)   Network interface   1     Network interface   1, RJ45 10M/100M/1000M self-adaptive Ethernet interface   1   Rear panel: 2 × USB 2.0     Rear panel: 1 × USB 3.0   Front panel: 2 × USB 3.0   1   Rear panel: 1 × USB 3.0     Serial interface   R5-232, RS-485 (full-duplex), Keyboard   1   1     Alarm in/out   16/4   10 to 220 VAC   10 to 220 VAC   10 W     Working temperature   -10 °C to +55 °C (+14 °F to +131 °F)   10 % to 90%   10% to 90%   10 % to 90%					
Synchronous playback   16-ch     Hard disk   SATA   4 SATA interfaces     GeATA   1 eSATA interface     Capacity   Up to 10 TB capacity for each disk     Two-way audio input   1-ch, RCA (2.0 Vp-p, 1 KQ)     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     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)					
SATA4 SATA interfaceseSATA1 eSATA interfaceseSATA1 eSATA interfaceCapacityUp to 10 TB capacity for each diskTwo-way audio input1-ch, RCA (2.0 Vp-p, 1 KΩ)Network interface1, RJ45 10M/100M/100M self-adaptive Ethernet interfaceUSB interfaceFront panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0Serial interfaceRS-232, RS-485 (full-duplex), KeyboardAlarm in/out16/4Power supply110 to 220 VACConsumption (without HDD)≤ 110 WWorking temperature-10 °C to +55 °C (+14 °F to +131 °F)Working humidity10% to 90%Dimensions (W × D × H)440 × 407 × 75 mm (17.3 × 16.0 × 3.0 inch)					
Hard disk eSATA 1 eSATA interface   Capacity Up to 10 TB capacity for each disk   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   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)					
CapacityUp to 10 TB capacity for each diskTwo-way audio input1-ch, RCA (2.0 Vp-p, 1 KΩ)Network interface1, RJ45 10M/100M/1000M self-adaptive Ethernet interfaceUSB interfaceFront panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0Serial interfaceRS-232, RS-485 (full-duplex), KeyboardAlarm in/out16/4Power supply110 to 220 VACConsumption (without HDD)≤ 110 WWorking temperature-10 °C to +55 °C (+14 °F to +131 °F)Working humidity10% to 90%Dimensions (W × D × H)440 × 407 × 75 mm (17.3 × 16.0 × 3.0 inch)	Hard disk				
External interfaceNetwork interface1, RJ45 10M/1000M self-adaptive Ethernet interfaceUSB interfaceFront panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0Serial interfaceRS-232, RS-485 (full-duplex), KeyboardAlarm in/out16/4Power supply110 to 220 VACConsumption (without HDD)< 110 W		Capacity	Up to 10 TB capacity for each disk		
External interface Front panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0   Serial interface RS-232, RS-485 (full-duplex), Keyboard   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)		Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
Construction Rear panel: 1 × USB 3.0   Serial interface RS-232, RS-485 (full-duplex), Keyboard   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)		Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface		
Serial interface RS-232, RS-485 (full-duplex), Keyboard   Alarm in/out 16/4   Power supply 110 to 220 VAC   Consumption (without HDD) < 110 W		USB interface			
General   Power supply   110 to 220 VAC     Consumption (without HDD)   < 110 W		Serial interface	RS-232, RS-485 (full-duplex), Keyboard		
GeneralConsumption (without HDD) $\leq 110 \text{ W}$ Working temperature $-10 \degree \text{C to } +55 \degree \text{C } (+14 \degree \text{F to } +131 \degree \text{F})$ Working humidity $10\% \text{ to } 90\%$ Dimensions (W × D × H) $440 \times 407 \times 75 \text{ mm } (17.3 \times 16.0 \times 3.0 \text{ inch})$		Alarm in/out	16/4		
General   (without HDD)   S 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)			110 to 220 VAC		
General   Working humidity   10% to 90%     Dimensions (W × D × H)   440 × 407 × 75 mm (17.3 × 16.0 × 3.0 inch)	General		≤ 110 W		
Working humidity   10% to 90%     Dimensions (W × D × H)   440 × 407 × 75 mm (17.3 × 16.0 × 3.0 inch)		Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)		
(W × D × H) 440 × 407 × 75 mm (17.3 × 16.0 × 3.0 inch)		Working humidity	10% to 90%		
			440 × 407 × 75 mm (17.3 × 16.0 × 3.0 inch)		
		Weight (without HDD)	≤ 5 kg (11.0 lb)		



## **Physical Interfaces**



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

iDS-7316HUHI-K4/16S

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