

## DS-7600HUHI-F/N SERIES TURBO HD DVR

### Features and Functions



#### Video Input and Transmission

- Connectable to HDTVI, AHD and analog cameras
- Up to 8/16/32-ch 8 MP IP cameras input for DS-7604/7608/7616HUHI-F/N
- Long distance transmission over UTP and coaxial cable

#### Compression and Recording

- One-key enable H.264+ compression to improve encoding efficiency by up to 50% and reduces data storage costs
- Full channel recording at up to 3 MP resolution

#### Video Output

- Simultaneous HDMI/VGA output at up to 1920 × 1080 resolution for DS-7604HUHI-F1/N; for DS-7608/7616HUHI-F2/N, HDMI and VGA output can be configured simultaneous or independent. If simultaneous, up to 4K (3840 × 2160) resolution is supported; if independent, up to 1920 × 1080 resolution for VGA output and up to 4K (3840 × 2160) resolution for HDMI output
- Independent CVBS output improves compatibility at the most possibility and serves as the aux output or live view output only

#### Storage and Playback

- One or two SATA interfaces (up to 6 TB capacity per HDD)
- 4/8/16-ch synchronous playback at up to 3 MP resolution
- Smart search for efficient playback
- Supports the 3<sup>rd</sup> party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

#### Smart Function

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- VQD (Video Quality Diagnostics)
- Unlock pattern for device login for the *admin* and clear-text password available
- GUID file can be exported for password resetting and imported for finding the forgotten password
- Supports PTZ control via Omnicast VMS of Genetec protocol

#### Network & Ethernet Access

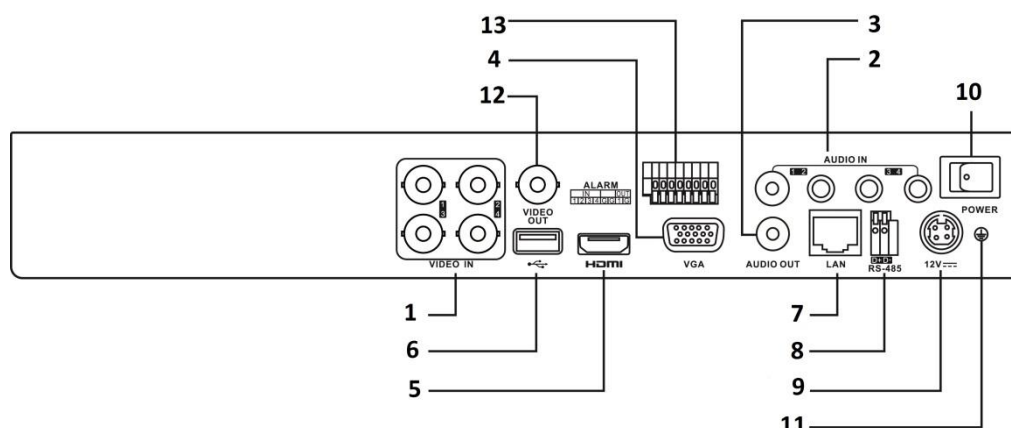
- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- One gigabit Ethernet network interface (for DS-7608/7616HUHI-F2/N)
- Output bandwidth limit configurable



## Specifications

Model		DS-7604HUHI-F1/N	DS-7608HUHI-F2/N	DS-7616HUHI-F2/N
Video/Audio input	Video compression	H.264+/H.264		
	Analog video input	4-ch	8-ch	16-ch
		BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		
	HDTVl input	3 MP, 1080p25, 1080p30, 720p60, 720p50, 720p30, 720p25		
	AHD input	720p25, 720p30, 1080p25, 1080p30		
	CVBS input	Support		
	IP video input	4-ch (up to 8-ch)	8-ch (up to 16-ch)	16-ch (up to 32-ch)
		Up to 8 MP resolution		
	Network bandwidth	96 Mbps	128 Mbps	144 Mbps (incoming bandwidth: 76 Mbps)
	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/VGA output	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: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
	Encoding resolution	3 MP/1080p/720p/WD1/4CIF/VGA/CIF		
	Frame rate	Main stream: 3 MP@15fps; 1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)		
		Sub-stream: WD1/4CIF@12fps; CIF/QVGA/QCIF@25fps (P)/30fps (N)		
	Video bit rate	32 Kbps to 10 Mbps		
	Audio output	1-ch, RCA (Linear, 1 KΩ)		
	Audio bit rate	64 Kbps		
	Dual stream	Support		
Stream type	Video, Video & Audio			
Synchronous playback	4-ch	8-ch	16-ch	
Network management	Network protocols	TCP/IP, PPPoE, DHCP, Hik Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF		
Hard disk	SATA	1 SATA interface	2 SATA interfaces	
	Capacity	Up to 6 TB capacity for each disk.		
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)		
	Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	
	USB interface	2 × USB 2.0	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0	
	Serial interface	RS-485 (half-duplex)		
	Alarm in/out	4/1	8/4	16/4
General	Power supply	12 VDC		
	Consumption (without HDD)	≤ 15 W	≤ 20 W	≤ 40 W
	Working temperature	-10 °C to +55 °C (14 °F to 131 °F)		
	Working humidity	10% to 90%		
	Dimensions (W × D × H)	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)	380 × 320 × 48 mm (14.9× 12.6 × 18.9 inch )	
	Weight (without HDD)	≤ 2 kg (4.4 lb)		

## Physical Interfaces



### NOTE

The rear panel of DS-7608/7616HUHI-F2/N provides 8/16 video input interfaces.

Index	Description	Index	Description
1	VIDEO IN	8	RS-485 Serial Interface
2	AUDIO IN, RCA Connector	9	12 VDC Power Input
3	AUDIO OUT, RCA Connector	10	Power Switch
4	VGA Interface	11	GND
5	HDMI Interface	12	VIDEO OUT
6	USB Interface	13	Alarm In/Out
7	LAN Network Interface		

Distributed by

## Available Models

DS-7604HUHI-F1/N, DS-7608HUHI-F2/N, DS-7616HUHI-F2/N



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