

## DS-9000HUHI-F16/N SERIES TURBO HD DVR

### Features and Functions

#### Video Input and Transmission

- Connectable to HDTV, AHD, HDCVI and analog cameras
- Up to 18/32-ch 8 MP IP cameras input for DS-9008/9016HUHI-F16
- Long distance transmission over UTP and coaxial cable

#### Compression and Recording

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

#### Video Output

- Simultaneous HDMI1 and VGA output at up to 1920 × 1080 resolution, and independent HDMI 2 output at up to 4K (3840 × 2160) resolution
- Independent CVBS output improves compatibility at the most possibility and serves as the aux output or live view output only

#### Storage and Playback

- 16 SATA interfaces (up to 8 TB capacity per HDD) and 2 eSATA interfaces
- Hot-swappable HDD supporting RAID 0, RAID 1, RAID 5, RAID 6 and RAID 10 storage scheme
- 8/16-ch synchronous playback
- Smart search for efficient playback
- Supports playback by main stream, or sub-stream for IP cameras
- 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
- Supports line crossing detection and intrusion detection of all channels
- Supports people counting and heat map functions for 1-ch analog camera
- 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

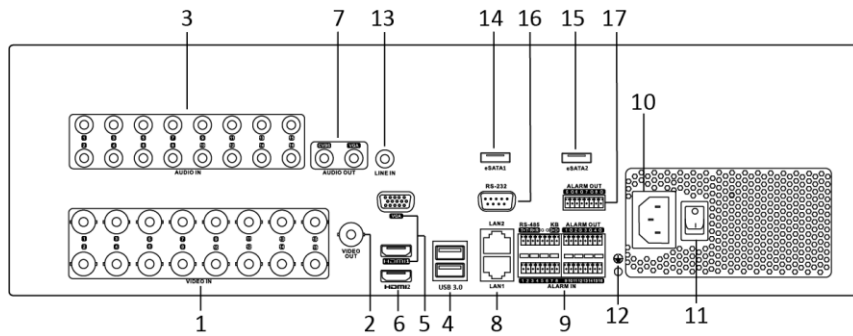
- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- Two gigabit Ethernet network interfaces
- Output bandwidth limit configurable



## Specifications

Model		DS-9008HUHI-F16/N	DS-9016HUHI-F16/N	
<b>Video/Audio input</b>	<b>Video compression</b>	H.264+/H.264		
	<b>Analog video input</b>	8-ch	16-ch	
		BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		
	<b>HDTVI input</b>	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60		
	<b>AHD input</b>	720p25, 720p30, 1080p25, 1080p30		
	<b>HDCVI input</b>	720p25, 720p30, 1080p25, 1080p30		
	<b>CVBS input</b>	Support		
	<b>IP video input</b>	10-ch (Up to 18-ch)	18-ch (Up to 32-ch)	
		Up to 8 MP resolution H.265/H.264+/H.264		
	<b>Audio compression</b>	G.711u		
<b>Audio input</b>	8-ch	16-ch		
	BNC (2.0 Vp-p, 1 KΩ)			
<b>Video/Audio output</b>	<b>CVBS output</b>	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
	<b>HDMI1/VGA output</b>	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
	<b>HDMI2 output</b>	1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
	<b>Encoding resolution</b>	3 MP/1080p/720p/WD1/4CIF/VGA/CIF		
	<b>Frame rate</b>	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)		
	<b>Video bit rate</b>	32 Kbps to 10 Mbps		
	<b>Audio output</b>	2-ch, BNC (Linear, 1 KΩ)		
	<b>Audio bit rate</b>	64 Kbps		
	<b>Dual stream</b>	Support		
	<b>Stream type</b>	Video, Video & Audio		
<b>Synchronous playback</b>	8-ch	16-ch		
<b>Network management</b>	<b>Remote connections</b>	128		
	<b>Network protocols</b>	TCP/IP, PPPoE, DHCP, Hik Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF, SNMP		
<b>Hard disk</b>	<b>SATA</b>	16 SATA interfaces		
	<b>eSATA</b>	Support		
	<b>Capacity</b>	Up to 8 TB capacity for each disk		
<b>Disk array</b>	<b>Array type</b>	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10		
<b>External interface</b>	<b>Two-way audio input</b>	1-ch, BNC (2.0 Vp-p, 1 KΩ) (independent)		
	<b>Network interface</b>	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface		
	<b>USB interface</b>	Front panel: 2 × USB 2.0		
		Rear panel: 2 × USB 3.0		
	<b>Serial interface</b>	RS-232, RS-485 (full-duplex), Keyboard		
<b>General</b>	<b>Alarm in/out</b>	16/8		
	<b>Power supply</b>	100 to 240 VAC		
	<b>Consumption (without HDD)</b>	≤ 230 W		
	<b>Working temperature</b>	-10 °C to +55 °C (14 °F to 131 °F)		
	<b>Working humidity</b>	10% to 90%		
	<b>Dimensions (W × D × H)</b>	442 × 493 × 146 mm (17.4 × 19.4 × 5.7 inch)		
	<b>Weight (without HDD)</b>	≤ 15 kg (33.1lb)		

## Physical Interfaces



**NOTE**

The rear panel of DS-9008HUHI-F16/N provides 8 video input interfaces.

Index	Description	Index	Description
1	VIDEO IN	10	100 to 240 VAC Power Input
2	VIDEO OUT	11	Power Switch
3	AUDIO IN, BNC	12	GND
4	USB Interface	13	LINE IN
5	HDMI1/VGA Interface	14	eSATA1 Interface
6	HDMI2 Interface	15	eSATA2 Interface
7	CVBS AUDIO OUT and VGA AUDIO OUT	16	RS-232 Serial Interface
8	LAN1 and LAN2 Network Interfaces	17	ALARM OUT
9	RS-485 Serial Interface, Keyboard Interface, ALARM IN and ALARM OUT		

Distributed by

### Available Models

DS-9008HUHI-F16/N, DS-9016HUHI-F16/N

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