

## DS-9800HDT-I TURBO HD DVR



### Features and Functions

#### Video Input and Transmission

Connectable to HDTV, AHD and analog cameras

Long distance transmission over UTP and coaxial cable with max. 1200m for the 720p and max. 800m for the 1080p HDTV signal

#### Compression and Recording

One-key enable H.264+ compression to improve encoding efficiency by up to 50% and reduce data storage costs

Up to 3 MP resolution for recording of the first channel of DS-9804HDT-I, the first 2 channels of DS-9808HDT-I, and the first 4 channels of DS-9816HDT-I

Supports real-time 1080p lite and when enabled, the image effect is similar with 1080p

#### Video Output

Simultaneous HDMI/VGA output at up to 1920 × 1080 resolution for DS-9804/9808HDT-I and 4K (3840 × 2160) resolution for HDMI output of DS-9816HDT-I

Independent CVBS output improves compatibility at the most possibility

#### Storage and Playback

One SATA interface (up to 6 TB capacity per HDD)

4/8/16-ch synchronous playback

Smart search for efficient playback

#### 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*

Clear-text password available

#### Network & Ethernet Access

Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management

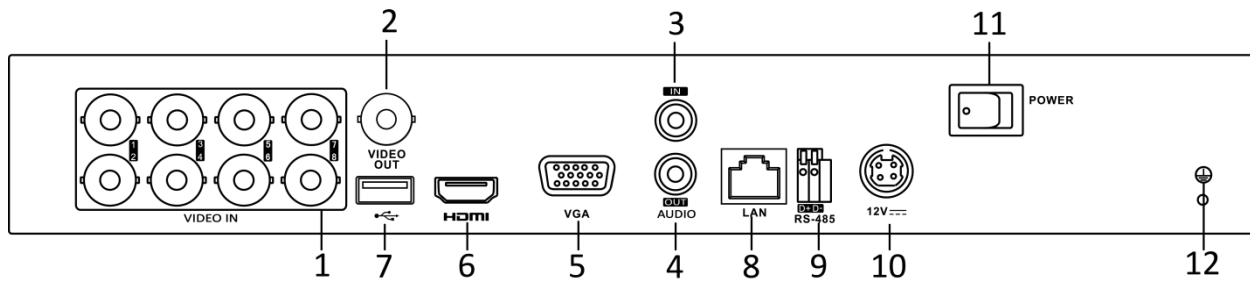
1 gigabit Ethernet network interface (for DS-9816HDT-I)

Output bandwidth limit configurable

## Specifications

Model		DS-9804HDT-I	DS-9808HDT-I	DS-9816HDT-I-F1/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		
	HDTVI input	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 <b>Note:</b> The 3 MP signal input is only available for the first channel of DS-9804HDT-I, the first 2 channels of DS-9808HDT-I, and the first 4 channels of DS-9816HDT-I.		
	AHD input	1080p25, 1080p30, 720p25, 720p30		
	CVBS input	Support		
	IP video input	1-ch	2-ch	
		Up to 1080p resolution		
Video/Audio output	Audio compression	G.711u		
	Audio input/Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
	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		<b>HDMI:</b> 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz <b>VGA:</b> 1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	Encoding resolution	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 1080p lite/720p lite/VGA/WD1/4CIF/CIF		
	Frame rate	Main stream: When 1080p Lite mode not enabled: For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@12fps For 1080p stream access: 1080p@12fps; 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled: 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF/2CIF@12fps; CIF/QVGA/QCIF@25fps (P)/30fps (N)		
	Video bit rate	32 Kbps to 6 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	Remote connections	128	
Network protocols		TCP/IP, PPPoE, DHCP, Hik Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF		
Hard disk	SATA	1 SATA interface		
	Capacity	Up to 6 TB capacity for each disk		
External interface	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)		
General	Power supply	12 VDC		
	Consumption (without HDD)	≤ 15 W	≤ 20 W	≤ 30 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)		
	Weight (without HDD)	≤ 2 kg (4.4 lb)	≤ 2 kg (4.4 lb)	≤ 2 kg (4.4 lb)

## Physical Interfaces



**NOTE**

The rear panel of DS-9804/9816HDT-I provide 4/16 video input interfaces.

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

## Available Models

DS-9804HDT-I, DS-9808HDT-I, DS-9816HDT-I