

DS-90xxHUI-K8 Series

TurboHD DVR

TurboHD™

- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
- Main Stream Encoding
- Hot-Swappable HDD Supports RAID 0, RAID 1, RAID 5, RAID 6, and RAID 10
- Full Channel Recording up to 8 MP Resolution
- HDMI1 and VGA Output up to 1920 x 1080
- HDMI2 Output up to 4K (3840 x 2160)
- Long Over-the-Coax Transmission Distance

Hikvision's TurboHD DS-90xxHUI-K8 Series DVRs feature support of HD-TVI, CVBS, and IP cameras on up to 64 channels (DS-9032HUI-K8). They offer long transmission distances and feature new important H.265 Pro+ compression technology, which improves recording efficiency and reduces data storage costs.

Additionally, the DS-90xxHUI-K8 Series DVRs support advanced analytics such as line crossing, intrusion, scene change detection, people counting, heat map functionality, and Video Quality Diagnostics (VQD).

Available models:

DS-9008HUI-K8: 8 channels
DS-9016HUI-K8: 16 channels
DS-9032HUI-K8: 32 channels

Specifications

	DS-9008HUI-K8	DS-9016HUI-K8	DS-9032HUI-K8
Recording			
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264		
Encoding Resolution	8 MP/5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF		
Frame Rate	Main Stream	8 MP @ 8 fps; 5 MP @ 12 fps; 4 MP @ 15 fps; 3 MP @ 18 fps; 1080p/720p/WD1/4CIF/VGA/CIF @ 30 fps	8 MP @ 8 fps; 5 MP @ 12 fps; 4 MP @ 15 fps; 3 MP @ 18 fps; 1080p25/1080p30/720p25/720p30/720p50/720p60
	Sub-Stream	WD1/4CIF/CIF @ 30 fps	
Video Bit Rate	32 Kbps to 10 Mbps		
Dual Stream	Supported		
Stream Type	Video, video and audio		
Maximum Incoming Bandwidth	260 Mbps	320 Mbps	
Audio Compression	G.711u		
Audio Bit Rate	64 Kbps		
Video and Audio			
IP Video Input	10-ch ¹	18-ch ²	32-ch ³
	Up to 12 MP resolution Supports H.265+/H.265/H.264+/H.264 IP cameras		
Analog Video Input	8-ch	16-ch	32-ch
	BNC interface (1.0 Vp-p, 75 Ω), supports Hikvision-C protocol		
HD-TVI Input	8 MP, 5 MP, 4 MP, 3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60		
AHD Input	5 MP, 4 MP, 720p25, 720p30, 1080p25, 1080p30		
HDCVI Input	4 MP, 720p25, 720p30, 1080p25, 1080p30		
CVBS Input	NTSC		
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: 704 × 480		
HDMI1/VGA Output	1-ch, 60 Hz: 1920 × 1080/60 Hz: 1280 × 1024/1280 × 720/60 Hz: 1024 × 768		
HDMI2 Output	1-ch, 30 Hz: 4K (3840 × 2160)/60 Hz: 2K (2560 × 1440)/60 Hz: 1920 × 1080/60 Hz: 1280 × 1024/60 Hz: 1280 × 720/60 Hz: 1024 × 768		
Maximum Outgoing Bandwidth	260 Mbps	256 Mbps	
Video Loop	Supported		
Audio Input	8-ch	16-ch	
	RCA (2.0 Vp-p, 1K Ω)		
Audio Output	2-ch, RCA (linear, 1K Ω)		
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1K Ω) (independent)		
Synchronous Playback	8-ch	16-ch	
Network			
Remote Connections	128		
Network Protocols	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP, HTTPS, ONVIF, SNMP		
Network Interface	2, RJ-45, 10M/100M/1000M self-adaptive Ethernet interface		
SATA	8 SATA interfaces		
eSATA	Supported		
Capacity	Up to 10 TB for each disk		
Serial Interface	RS-232, RS-485 (full-duplex), keyboard		
Alarm In/Out	16/8		
USB Interface	Front panel: 2 × USB 2.0	Front panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0	
General			
Power Supply	100 to 240 VAC		
Consumption (w/o HDD)	≤45 W	≤65 W	≤74 W
Working Temperature	14° to 131° F (-10° to 55° C)		
Working Humidity	10% to 90% non-condensing		
Dimensions (W × D × H)	17.5" × 18.5" × 3.5" (445 mm × 470 mm × 90 mm)	17.4" × 18.5" × 3.5" (442 mm × 470 mm × 90 mm)	
Weight (w/o HDD)	≤17.6 lbs (8 kg)	≤22 lbs (10 kg)	

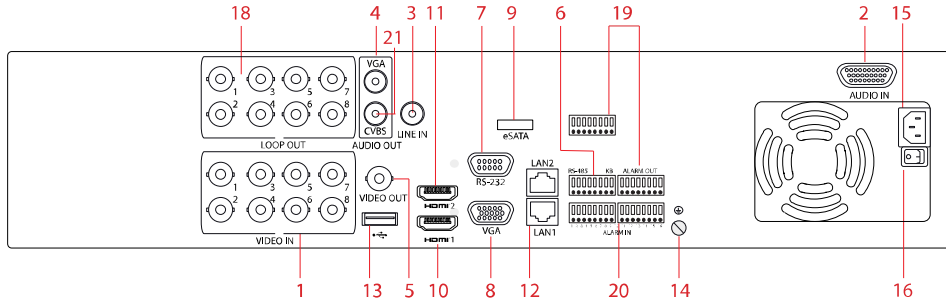
¹Up to 18 IP channels if Enhanced IP Mode is enabled and all analog channels are disabled. Enhanced IP Mode and Enhanced VCA Mode cannot run simultaneously.

²Up to 34 IP channels if Enhanced IP Mode is enabled and all analog channels are disabled. Enhanced IP Mode and Enhanced VCA Mode cannot run simultaneously.

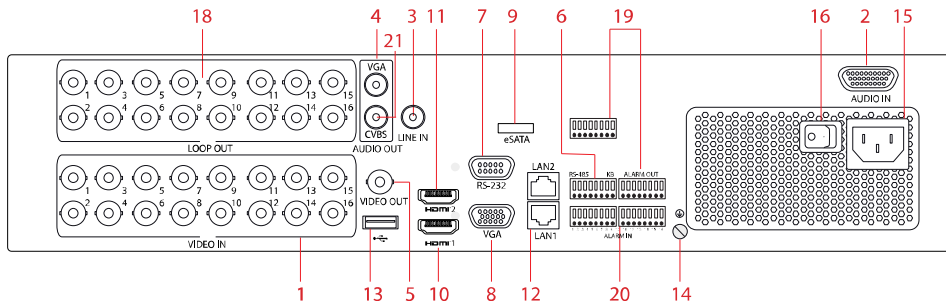
³Up to 64 IP channels if Enhanced IP Mode is enabled and all analog channels are disabled. Enhanced IP Mode and Enhanced VCA Mode cannot run simultaneously.

Physical Interfaces

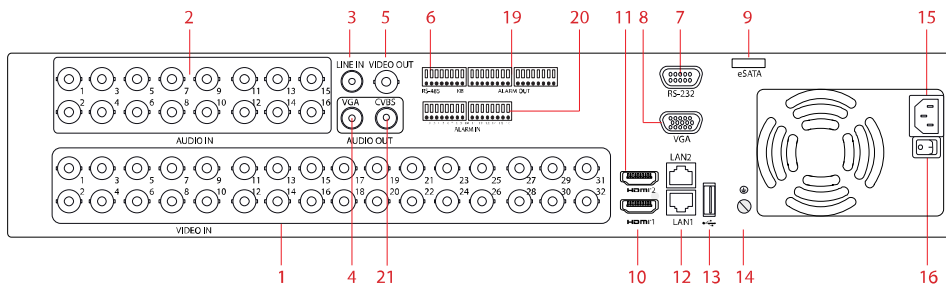
DS-9008HUI-K8



DS-9016HUI-K8



DS-9032HUI-K8



No.	Description
1	Video In (BNC)
2	Audio In
3	Line In
4	VGA Audio Out
5	Video Out
6	RS-485 Serial Interface, Keyboard Interface
7	RS-232 Serial Interface
8	VGA Interface
9	eSATA Interface
10	HDMI1 Interface
11	HDMI2 Interface
12	2 x LAN Network Interfaces
13	USB Interface
14	GND
15	100–240 VAC Power Input
16	Power Switch
18	Loop Out (BNC)
19	Alarm Out
20	Alarm In
21	CVBS Audio Out