DS-7208HQHI-S2/XT
8-ch HQ 1U PowerX DVR with Guanlan Encoding

- 8-ch Analog video inputs, Encoding ability up to 3K/5MP Lite@12fps
- 8-ch Guanlan AI Encoding for saving recording storage effectively
- Support 2-ch Facial Recognition or 4-ch Perimeter Protection based on Deep Learning algorithm
- Support 8-ch AcuSearch, helping users quickly find target in recordings
- Support All channels Motion Detection Technology
- Up to 12 IP video inputs, each channel up to 6MP
- 5 signals input adaptively (HDTVI/AHD/CVI/CVBS/IP)
- Support 8-ch HDTVI Two-Way Audio via BNC

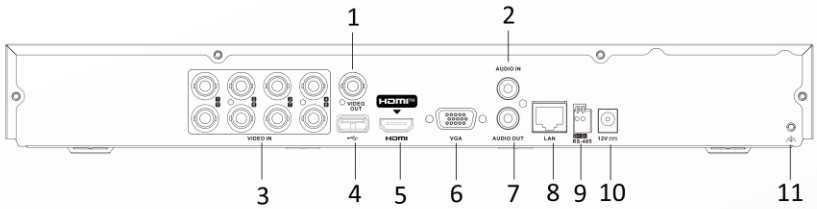
▪ Specification

Intelligent Analytics	
Intelligent Analytics by Recorder	MD2.0/Perimeter Protection/Facial detection&Recognition/AcuSearch/SmartSearch
Multi-Capability Intelligence Mode	MD2.0/Perimeter Protection/Facial detection&Recognition/AcuSearch/SmartSearch can be enabled at the same time
AcuSearch	
AcuSearch by Recorder	Up to 8-ch analog cameras
SmartSearch	
SmartSearch by Recorder	Up to 4-ch analog cameras
Perimeter Protection	
Human/Vehicle Analysis	Up to 4-ch analog cameras Note: Face picture comparison, motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the other two unavailable.
Human/Vehicle Analysis by Recorder	Up to 4-ch analog cameras
Facial Detection	
Facial Detection by Recorder	Up to 2-ch analog cameras
Facial Recognition	
Facial Recognition by Recorder	Up to 2-ch analog cameras
Face Picture Library	Up to 16 face picture libraries with 5000 pictures in total (each picture ≤ 2M, total capacity ≤ 30M)
Motion Detection 2.0	
Human/Vehicle Analysis	Up to 8-ch analog cameras
Video and Audio	
Analog Camera Input	8-ch BNC ports (1.0 Vp-p, 75 Ω), supporting HDTVI/CVI/AHD/CVBS auto-detect
IP Camera Input	Up to 12-ch of IP camera input , each up to 6MP 4-ch by default + 8-ch (analog channels are converted to IP channels)
Video Output	1-ch HDMI, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz; 1-ch VGA, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz (HDMI/VGA simultaneous output); 1-ch CVBS (BNC, 1.0 Vp-p, 75 Ω), PAL: 704 × 576, NTSC: 704 × 480
HDTVI Input	3K(3328 x 1504)@20 fps, 3K(2960 x 1664)@25/20 fps, 5 MP(2560 × 1944)@20 fps, 4 MP(2560 × 1440)@25/30 fps, 2K(2304 x 1296)@20 fps, 1080P@25/30 fps, 720P@25/30 fps
AHD Input	5 MP(2560 × 1944)@20 fps, 4 MP(2560 × 1440)@25/30 fps, 1080P@25/30 fps, 720P@25/30 fps

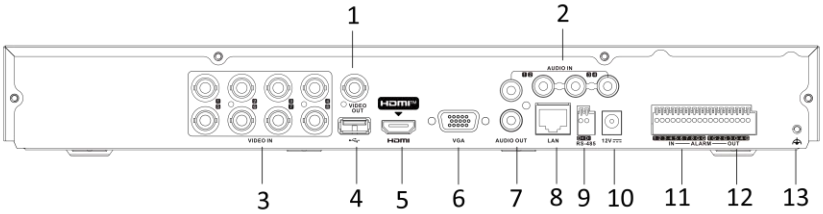
HDCVI Input	3K(2880 × 1620)@20/25 fps, 5MP(2592 × 1944)@20 fps, 4MP(2560 × 1440)@25/30 fps, 1080P@25/30 fps, 720P@25/30 fps
CVBS Input	PAL/NTSC
Audio Input	1-ch RCA (2.0 Vp-p, 1 KΩ); 8-ch coaxial audio via BNC
Audio Output	1-ch RCA
Two-Way Audio	8-ch two-way audio via BNC , Support two-way audio from DVR local, web and Hik-Connect to analog camera; Use the first RCA audio input if the two-way audio from DVR local to analog camera
Synchronous Playback	Up to 8-ch
Recording	
Video Compression	AI Encoding/H.265/H.264
Encoding Capacity	Main stream: When 1080p Lite mode not enabled: For 3K stream access: 3K lite@12 fps; 4 MP lite/1080p@15 fps; 720p/WD1/4CIF/VGA/CIF@20 fps For 5 MP stream access: 5 MP lite@12 fps; 4 MP lite/1080p@15 fps; 720p/WD1/4CIF/VGA/CIF@20 fps For 2K stream access: 2K@10 fps; 1080p@15 fps; 720p/WD1/4CIF/VGA/CIF@20 fps For 4 MP stream access: 4 MP lite/1080p@15 fps; 720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N) For 1080p stream access: 1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N) When 1080p Lite mode enabled: 3K lite/5 MP lite@12 fps; 2K@10 fps; 4 MP lite@15 fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N) Sub-stream: WD1/4CIF@12 fps; CIF@25 fps (P)/30 fps (N)
Video Bitrate	32 Kbps to 6 Mbps
Dual-Stream	Support main stream or sub stream
Stream Type	Video, Video & Audio
Audio Compression	G.711u
Audio Bitrate	64 Kbps
Network	
Network Protocol	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF, ISUP
API	ONVIF (profile S/G), SDK, ISAPI, ISUP
Compatible Browser	IE, Chrome, Firefox, Safari, Edge
Ports	
SATA	2 SATA interface, up to 10 TB capacity for each disk
Serial Interface	1 RS-485 (half-duplex)

USB Interface	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 2.0
Alarm In/Out	N/A (optional to support)
VGA	1-ch
Audio In	1-ch (up to 8-ch is optional) RCA (2.0 Vp-p, 1 KΩ); 8-ch via coaxial cable
Audio Out	1-ch, RCA (Linear, 1 KΩ)
Network Port	1, RJ45 10/100 Mbps self-adaptive Ethernet interface
HDMI	1-ch
General	
Installation	Desktop
Net Weight	≤ 2 kg
Gross Weight	≤ 3.5 kg
Product Dimensions	384 × 316 × 52 mm (15.1 × 12.4 × 2.0 inch)
Packaging Dimensions	435 × 387 × 129 mm (17.1 × 15.2 × 5.0 inch)
Packaging Method	A pack of four
Packing List	DVR *1 Quick Start Guide *1 Adapter and Power cable*1 Mouse *1 SATA Power cable *1 SATA Data cable *2 Power cord *1 Several Screws
Power Supply	12 VDC, 3.33 A
Consumption	≤ 40 W
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	10% to 90%
Certification	
CE	0
Obtained Certification	0

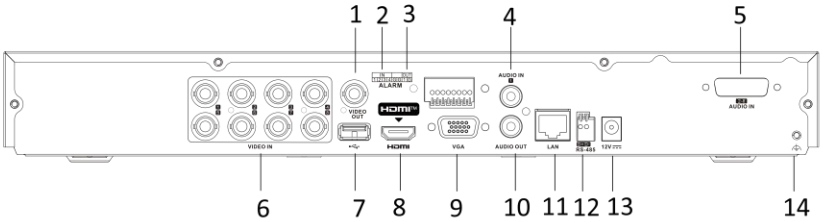
▪ Physical Interface



No.	Description	No.	Description
1	Video Out	7	Audio Out
2	Audio In	8	LAN Interface
3	Video In	9	RS-485 Interface
4	USB Interface	10	12V Power Supply
5	HDMI Interface	11	GND
6	VGA Interface		



No.	Description	No.	Description
1	Video Out	8	LAN Interface
2	Audio In	9	RS-485 Interface
3	Video In	10	12V Power Supply
4	USB Interface	11	Alarm In
5	HDMI Interface	12	Alarm Out
6	VGA Interface	13	GND
7	Audio Out		



No.	Description	No.	Description
1	Video Out	8	HDMI Interface
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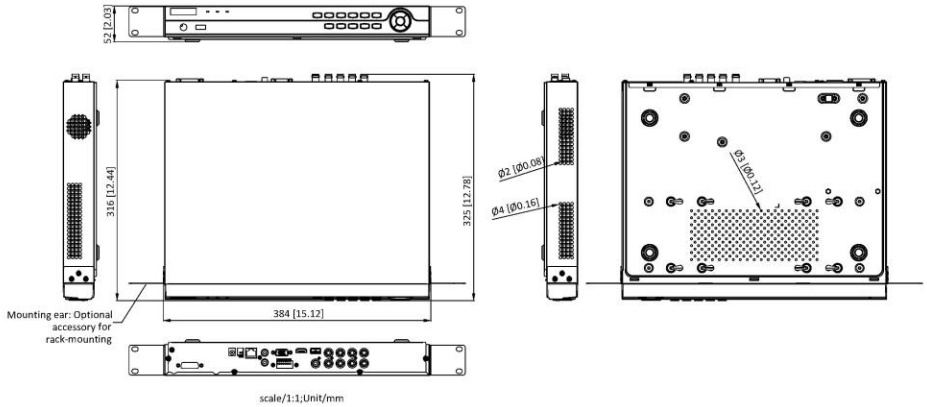
3	Alarm Out	10	Audio Out
4	Audio In	11	LAN Interface
5	Audio In	12	RS-485 Interface
6	Video In	13	12V Power Supply
7	USB Interface	14	GND

▪ Dimension



Unit:mm [inch]

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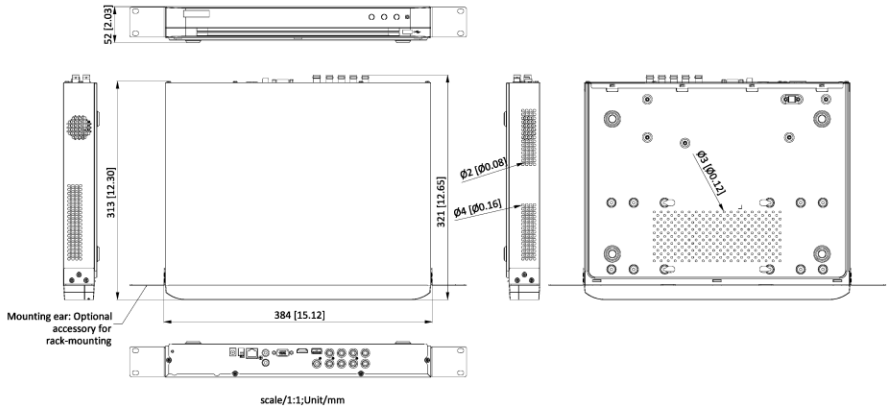

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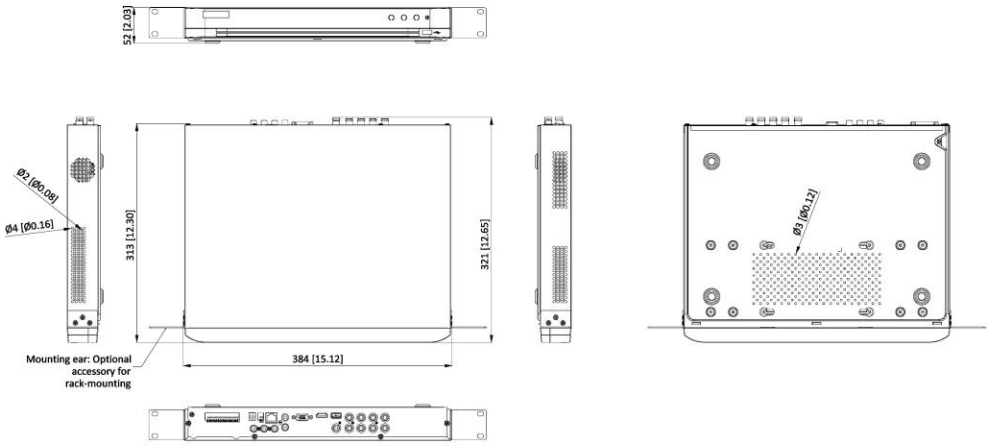

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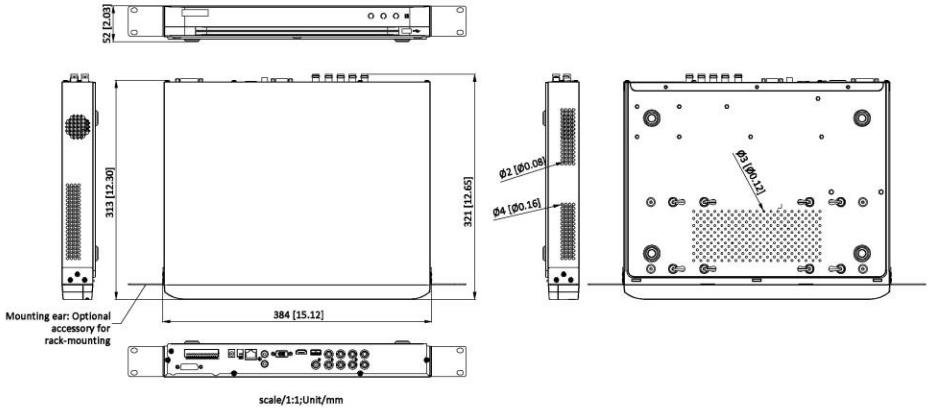

Unit:mm [inch]

SCALE	1:1

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