

## DS-7200HQHI-F1/N SERIES TURBO HD DVR



### Features and Functions

#### Video Input and Transmission

- Connectable to HDTVI, AHD, HDCVI and analog cameras
- Up to 1-ch 2 MP IP cameras input for DS-7204HQHI-F1/N and 2-ch 2 MP IP cameras input for DS-7208/7216HQHI-F1/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 reduce data storage costs
- Full channel recording at up to 1080p resolution
- Supports 1080p lite mode enabled to realize the real-time 1080p lite and 720p lite resolution

#### Video Output

- Simultaneous HDMI/VGA output at up to 1920 × 1080 resolution for DS-7204/7208HQHI-F1/N and 4K (3840 × 2160) resolution for HDMI output of DS-7216HQHI-F1/N
- 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 at up to 1080p resolution
- 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

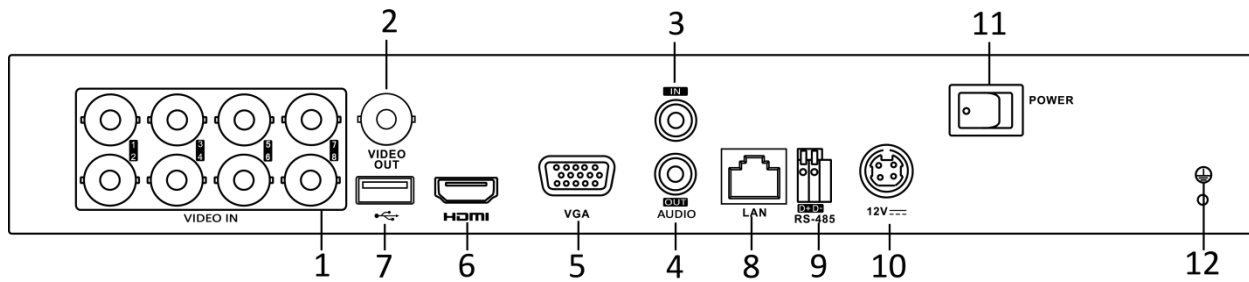
- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- 1 gigabit Ethernet network interface (for DS-7216HQHI-F1/N)
- Output bandwidth limit configurable



## Specifications

Model		DS-7204HQHI-F1/N	DS-7208HQHI-F1/N	DS-7216HQHI-F1/N
Video/Audio input	Video compression	H.264+/H.264		
	Analog video input	4-ch	8-ch	16-ch
	HDTVI input	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		
	AHD input	1080p/25Hz, 1080p/30Hz, 720p/25Hz, 720p/30Hz		
	HDCVI input	1080p/25Hz, 1080p/30Hz, 720p/25Hz, 720p/30Hz		
	CVBS input	Support		
	IP video input	1-ch	2-ch	
	Audio compression	G.711u		
	Audio input/Two-way audio input	1-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		HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 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: 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 1080p stream access: 1080p/720p@12fps; 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



The rear panel of DS-7204/216HQHI-F1/N 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	12VDC Power Input
5	VGA Interface	11	Power Switch
6	HDMI Interface	12	GND

## Available Models

DS-7204HQHI-F1/N, DS-7208HQHI-F1/N, DS-7216HQHI-F1/N

Distributed by



### Headquarters

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
overseasbusiness@hikvision.com

**Hikvision USA**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Italy**  
T +39-0438-6902  
info.it@hikvision.com

**Hikvision Singapore**  
T +65-6684-4718  
sg@hikvision.com

**Hikvision Europe**  
T +31-23-5542770  
saleseuro@hikvision.com

**Hikvision France**  
T +33(0)1-85-330-444  
info.fr@hikvision.com

**Hikvision Oceania**  
T +61-2-8599-4233  
salesau@hikvision.com

**Hikvision Middle East**  
T +971-4-8816086  
salesme@hikvision.com

**Hikvision Spain**  
T +34-91-737-16-55  
info.es@hikvision.com

**Hikvision Hong Kong**  
T +852-2151-1761

**Hikvision Russia**  
T +7-495-669-67-99  
saleru@hikvision.com

**Hikvision Poland**  
T +48-22-460-01-50  
poland@hikvision.com

**Hikvision Canada**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision India**  
T +91-22-28469900  
sales@pramahikvision.com

**Hikvision UK**  
T +44-1628-9021-4  
support.uk@hikvision.com