

## DVR-2XXQ-F1 SERIES TURBO HD DVR



### Key Features

#### Video Input and Transmission

- Connectable to Turbo HD, AHD, HDCVI and analog cameras
- Up to 2-ch 1080p IP cameras input
- 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
- Up to 3 MP resolution for recording of the first channel of DVR-204Q-F1, the first 2 channels of DVR-208Q-F1, and the first 4 channels of DVR-216Q-F1
- 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 DVR-204Q/208Q-F1 and 4K (3840 × 2160) resolution for HDMI output of DVR-216Q-F1

#### Storage and Playback

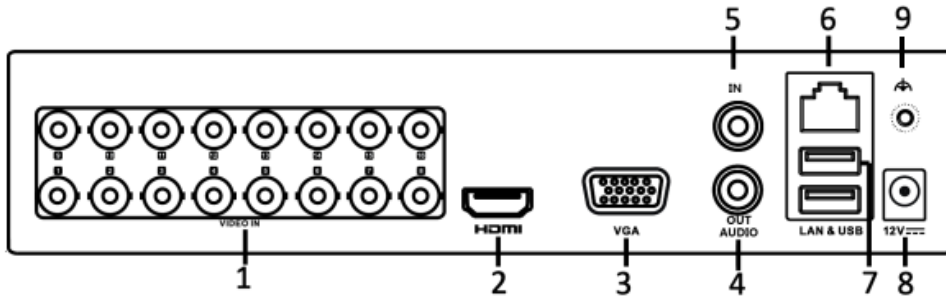
- One SATA interface (up to 6 TB capacity per HDD)
- 4/8/16-ch synchronous playback
- Smart search for efficient playback

#### Smart Function

- 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-Connect & DDNS (Dynamic Domain Name System) for easy network management
- One self-adaptive 10/100Mbps network interface for DVR-204Q/208Q-F1 and one self-adaptive 10/100/1000Mbps network interface for DVR-216Q-F1
- Output bandwidth limit configurable



**i NOTE**

The rear panel of DVR-204Q/208Q-F1 provides 4/8 video input interfaces.

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

# Specifications




Model	DVR-204Q-F1	DVR-208Q-F1	DVR-216Q-F1	
Video/Audio input	<b>Video compression</b>	H.264+/H.264		
	<b>Analog video input</b>	4-ch	8-ch	16-ch
		BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		
	<b>Turbo HD input</b>	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 <b>Note:</b> The 3 MP signal input is only available for the first channel of DVR-204Q-F1, the first 2 channels of DVR-208Q-F1, and the first 4 channels of DVR-216Q-F1.		
	<b>AHD input</b>	1080p25, 1080p30, 720p25, 720p30		
	<b>HDCVI input</b>	1080p25, 1080p30, 720p25, 720p30		
	<b>CVBS input</b>	Support		
	<b>IP video input</b>	1-ch	2-ch	
		Up to 1080p resolution		
	<b>Audio compression</b>	G.711u		
	<b>Audio input/Two-way audio input</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
Video/Audio output	<b>HDMI/VGA output</b>	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
	<b>Encoding resolution</b>	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 1080p lite/720p/VGA/WD1/4CIF/CIF		
	<b>Frame rate</b>	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/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/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF/2CIF@12fps; CIF/QVGA/QCIF@25fps (P)/30fps (N)		
	<b>Video bit rate</b>	32 Kbps to 6 Mbps		
	<b>Audio output</b>	1-ch, RCA (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>	4-ch	8-ch	16-ch
	Network management	<b>Remote connections</b>	128	
<b>Network protocols</b>		TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF		
Hard disk	<b>SATA</b>	1 SATA interface		
	<b>Capacity</b>	Up to 6 TB capacity for each disk		
External interface	<b>Network interface</b>	1, RJ45 10M/100M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	
	<b>USB interface</b>	Real panel: 2 × USB 2.0		
General	<b>Power supply</b>	12 VDC		
	<b>Consumption (without HDD)</b>	≤ 8 W	≤ 12 W	≤ 20 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>	260 × 222 × 45 mm (10.2 × 8.7 × 1.8 inch)		
	<b>Weight (without HDD)</b>	≤ 1 kg (2.2 lb)		≤ 1.2 kg (2.6 lb)

## Applicable Models

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DVR-204Q-F1, DVR-208Q-F1, DVR-216Q-F1

A decorative graphic in the top-left corner consisting of several overlapping, semi-transparent triangles in shades of gray, creating a geometric pattern.