

## DVR-200Q SERIES TURBO HD DVR



### Features and Functions

#### 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

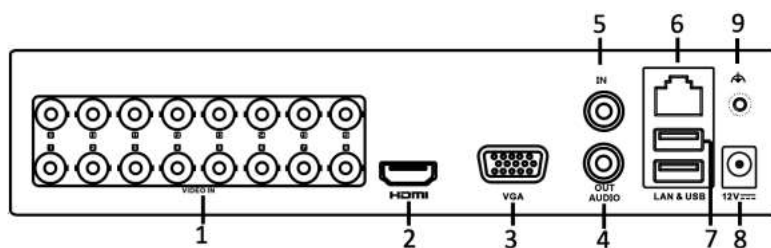
#### Network & Ethernet Access

- 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

## Specifications

| Model                           |                            | DVR-204Q-F1   | DVR-208Q-F1 | DVR-216Q-F1  |
|---------------------------------|----------------------------|---|-------------|--|
| 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   |             |  |
|                                 | Turbo HD input             | 3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60<br><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.  |             |  |
|                                 | AHD input                  | 1080p25, 1080p30, 720p25, 720p30  |             |  |
|                                 | HDCVI input                | 1080p25, 1080p30, 720p25, 720p30  |             |  |
|                                 | CVBS input                 | Support   |             |  |
|                                 | IP video input             | 1-ch  | 2-ch        |  |
|                                 |                            | Up to 1080p resolution  |             |  |
| Audio compression               | G.711u                     |   |             |  |
| Audio input/Two-way audio input | 1-ch, RCA (2.0 Vp-p, 1 KΩ) |   |             |  |
| Video/Audio output              | HDMI/VGA output            | 1ch, 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<br><b>VGA:</b> 1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz |
|                                 |                            | When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF;<br>When 1080p Lite mode enabled: 1080p lite/720p/VGA/WD1/4CIF/CIF   |             |  |
|                                 | Encoding resolution        | When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF;<br>When 1080p Lite mode enabled: 1080p lite/720p/VGA/WD1/4CIF/CIF   |             |  |
|                                 | Frame rate                 | Main stream:<br>When 1080p Lite mode not enabled:<br>For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@12fps<br>For 1080p stream access: 1080p/720p@12fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)<br>For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)<br>When 1080p Lite mode enabled:<br>1080p lite/720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)<br>Sub-stream:<br>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-Connect, 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              | Real panel: 2 × USB 2.0   |             |  |
| General                         | Power supply               | 12 VDC  |             |  |
|                                 | Consumption (without HDD)  | ≤ 8 W   | ≤ 12 W      | ≤ 20 W   |
|                                 | Working temperature        | -10 °C to +55 °C (+14 °F to +131 °F)  |             |  |
|                                 | Working humidity           | 10% to 90%  |             |  |
|                                 | Dimensions (W × D × H)     | 260 × 222 × 45 mm (10.2 × 8.7 × 1.8 inch)   |             |  |
|                                 | Weight (without HDD)       | ≤ 1 kg (2.2 lb)   |             | ≤ 1.2 kg (2.6 lb)  |

## Physical Interfaces



### NOTE

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

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

## Available Models

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