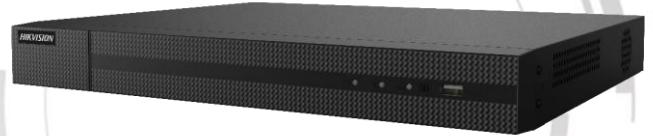


### HWD-6232MH-G4 TURBO HD DVR

#### Key Features

- Deep learning-based motion detection 2.0 for all analog channels
- H.265 Pro+/H.265 Pro/H.265 video compression
- HDTVI/AHD/CVI/CVBS/IP video input
- Audio via coaxial cable
- Up to 40-ch IP camera inputs
- Up to 10 TB capacity per HDD



#### Compression and Recording

- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Full channel recording at up to 4 MP lite resolution

#### Storage and Playback

- 2 SATA interfaces
- Smart search for efficient playback

#### Smart Function

- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras

#### Network & Ethernet Access

- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Max. 96 Mbps incoming bandwidth and output bandwidth limit configurable



## ▪ Specification

| Motion Detection 2.0   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Human/Vehicle Analysis | <p>Deep learning-based motion detection 2.0 is enabled by default for all analog channels, it can classify human and vehicle, and extremely reduce false alarms caused by objects like leaves and lights;</p> <p>Quick search by object or event type is supported;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Recording              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Video Compression      | H.265 Pro+/H.265 Pro/H.265/H.264+/H.264                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Encoding Resolution    | <p>When 1080p Lite mode is not enabled:</p> <p>3K lite/5 MP lite/4 MP lite/1080p/720p/VGA/WD1/4CIF/CIF;</p> <p>When 1080p Lite mode is enabled:</p> <p>3K lite/5 MP lite/4 MP lite/1080p lite/720p lite/VGA/WD1/4CIF/CIF</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Frame Rate             | <p>Main stream:</p> <p>When 1080p Lite mode not enabled:</p> <p>For 3K stream access: 3K lite@12fps;4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@20fps</p> <p>For 5 MP stream access: 5 MP lite@12fps;4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@20fps</p> <p>For 4 MP stream access: 4 MP lite/1080p@15fps;720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)</p> <p>For 1080p stream access: 1080p/720p@15fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)</p> <p>For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)</p> <p>When 1080p Lite mode enabled:</p> <p>3K lite/5 MP lite@12fps;4 MP lite@15fps;1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)</p> <p>Sub-stream:</p> <p>WD1/4CIF@12fps; CIF@25fps (P)/30fps (N)</p> |
| Video Bitrate          | 32 Kbps to 10 Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Dual-stream            | Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Stream Type            | Video, Video & Audio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Audio Compression      | G.711u                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Audio Bitrate          | 64 Kbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

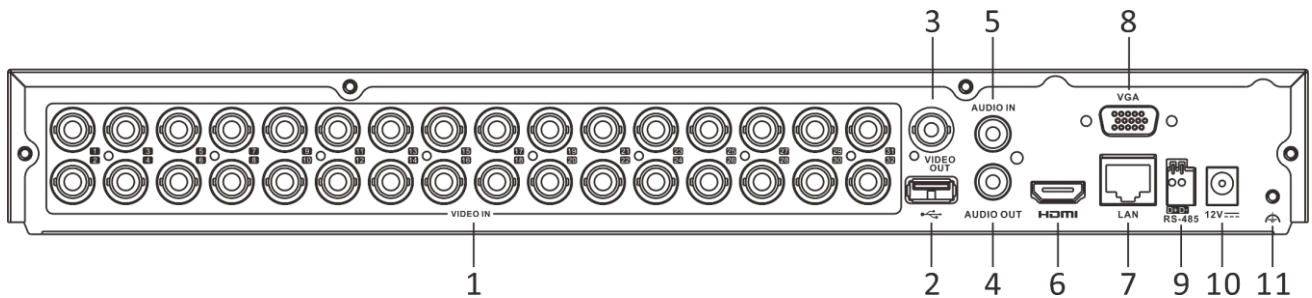
| Video and Audio      |                                                                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP Video Input       | 2-ch (up to 34-ch)<br>Enhanced IP mode on:<br>8-ch (up to 40-ch), each up to 4 Mbps,<br>Up to 6 MP resolution,<br>Support H.265+/H.265/H.264+/H.264 IP cameras |
| Analog Video Input   | 32-ch<br>BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection                                                                                       |
| HDTVI Input          | 3K@20 fps, 5 MP@20 fps, 4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps                                                         |
| AHD Input            | 5 MP@20 fps, 4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps                                                                    |
| HDCVI Input          | 5 MP@20 fps, 4 MP@30 fps, 4 MP@25 fps, 1080p@30 fps, 1080p@25 fps, 720p@30 fps, 720p@25 fps                                                                    |
| CVBS Input           | PAL/NTSC                                                                                                                                                       |
| CVBS Output          | 1-ch, BNC (1.0 Vp-p, 75 Ω),<br>resolution: PAL: 704 × 576, NTSC: 704 × 480                                                                                     |
| HDMI Output          | 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz                                                        |
| VGA Output           | 1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz<br>HDMI/VGA simultaneous output                                                                   |
| Audio Input          | 1-ch, RCA (2.0 Vp-p, 1 KΩ) , 32-ch via coaxial cable                                                                                                           |
| Audio Output         | 1-ch, RCA (Linear, 1 KΩ)                                                                                                                                       |
| Two-Way Audio        | 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)                                                                                                       |
| Synchronous playback | 16-ch                                                                                                                                                          |
| Network              |                                                                                                                                                                |
| Remote Connection    | 128                                                                                                                                                            |
| Network Protocol     | TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF                                                                        |
| Total Bandwidth      | 128 Mbps                                                                                                                                                       |
| Network Interface    | 1, RJ45 10/100/1000 Mbps self-adaptive<br>Ethernet interface                                                                                                   |
| Auxiliary Interface  |                                                                                                                                                                |
| SATA                 | 2 SATA interfaces                                                                                                                                              |
| Capacity             | Up to 10 TB capacity for each disk                                                                                                                             |
| Serial Interface     | RS-485 (half-duplex)                                                                                                                                           |

|                       |                                                     |
|-----------------------|-----------------------------------------------------|
| USB Interface         | Front panel: 1 × USB 2.0<br>Rear panel: 1 × USB 3.0 |
| Alarm In/Out          | N/A (optional to support)                           |
| <b>General</b>        |                                                     |
| Power Supply          | 12 VDC, 3.3 A                                       |
| Consumption           | ≤ 40 W                                              |
| Working Temperature   | -10 °C to +55 °C (+14 °F to +131 °F)                |
| Working Humidity      | 10% to 90%                                          |
| Dimension (W × D × H) | 385 × 315 × 52 mm (15.2 × 12.4 × 2.0 inch)          |
| Weight                | ≤ 2 kg (4.4 lb.)                                    |

**Note:**

1: Enhanced IP mode might be conflicted with smart events (perimeter protection) or other functions, please refer to the user manual for details.

## Physical Interface



| No. | Description                | No. | Description           |
|-----|----------------------------|-----|-----------------------|
| 1   | Video and Coaxial Audio In | 7   | LAN Network Interface |
| 2   | USB Interface              | 8   | VGA Interface         |
| 3   | VIDEO OUT                  | 9   | RS-485 Interface      |
| 4   | AUDIO OUT, RCA Connector   | 10  | Power Input           |
| 5   | AUDIO IN, RCA Connector    | 11  | GND                   |
| 6   | HDMI Interface             |     |                       |

## Available Model

HWD-6232MH-G4

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