

### HWD-5100 SERIES TURBO HD DVR



## Key Features

### Video Input and Transmission

- Connectable to Turbo HD/HDCVI/AHD/CVBS signal input
- Up to 2-ch 960p 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
- Supports 1080p lite and when enabled, the image effect is similar with 1080p

### Video Output

- Simultaneous HDMI/VGA output at up to 1920 × 1080 resolution

### 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

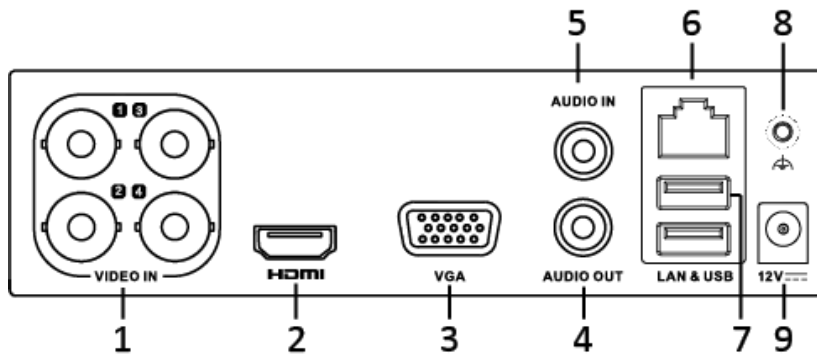
- VQD (Video Quality Diagnostics)
- Unlock pattern for device login for the *admin* and clear-text password available
- GUID file can be exported for password resetting and imported for finding the forgotten password
- Supports PTZ control via Omnicast VMS of Genetec protocol

### Network & Ethernet Access

- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- One self-adaptive 10/100Mbps network interface
- Output bandwidth limit configurable



## Dimensions



 **NOTE**

The rear panel of HWD-5108/5116 provides 8/16 video input interfaces.

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

# Specifications

| Model                           |                            | HWD-5104  | HWD-5108  | HWD-5116                                  |
|---------------------------------|----------------------------|---|---|---|
| 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             | 1080p25, 1080p30, 720p25, 720p30  |   |   |
|                                 | AHD input                  | 1080p25, 1080p30, 720p25, 720p30  |   |   |
|                                 | HDCVI input                | 1080p25, 1080p30, 720p25, 720p30  |   |   |
|                                 | CVBS input                 | Support   |   |   |
|                                 | IP video input             | 1-ch  | 2-ch  |   |
|                                 |                            | Up to 960p 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            | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz  |   |   |
|                                 | Encoding resolution        | When 1080p lite mode not enabled: 720p/WD1/4CIF/VGA/CIF<br>When 1080p lite mode enabled: 1080p lite/HD 720p lite/WD1/4CIF/VGA/CIF   |   |   |
|                                 | Frame rate                 | Main stream:<br>When 1080p lite mode enabled:<br>1080p lite/HD 720p lite/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)<br>When 1080p lite mode not enabled:<br>For 720p stream access:<br>720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)<br>For SD stream access:<br>WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) | Main stream:<br>When 1080p lite mode enabled:<br>1080p lite/HD 720p lite/WD1/4CIF/VGA@12fps; CIF@25fps (P)/30fps (N)<br>When 1080p lite mode not enabled:<br>For 720p stream access:<br>720p/WD1/4CIF/VGA@12fps; CIF@25fps (P)/30fps (N)<br>For SD stream access:<br>WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) |   |
|                                 |                            | Sub-stream:<br>CIF/QVGA/QCIF@25fps (P)/30fps (N)  |   |   |
|                                 | Video bit rate             | 32 Kbps to 4 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         | 32  | 128   |   |
|                                 | Network protocols          | TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS  |   |   |
| 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   |   |   |
|                                 | USB interface              | Rear 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)     | 200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch)  |   | 285 × 210 × 45 mm (11.2 × 8.3 × 1.8 inch) |
|                                 | Weight (without HDD)       | ≤ 0.8 kg (1.8 lb)   |   | ≤ 1.2 kg (2.6 lb)                         |

## Applicable Models

HWD-5104, HWD-5108, HWD-5116

Distributed by



## **HIKVISION**<sup>®</sup> HiWatch Series

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