# DS-E04HGHI-B
# TURBO HD eSSD DVR

## Key Feature

- Powered by eSSD technology
- Low power consumption
- Scene-adaptive bitrate control video compression
- Deep learning based human and vehicle targets classification of Motion Detection 2.0
- HDTVI/AHD/CVI/CVBS/IP video inputs
- Up to 1080p Lite@30 fps encoding capability

## Built-In SSD

- Minimalist eSSD design brings low power consumption
- Integrated storage design provides the plug-and-play device use

## Easy Installation

- Mini size design saves installation space
- Anti-vibration design and light weight satisfy more installation conditions

## Compression and Recording

- Scene-adaptive bitrate control technology would precisely allocate videos in eSSD according to the actual scene
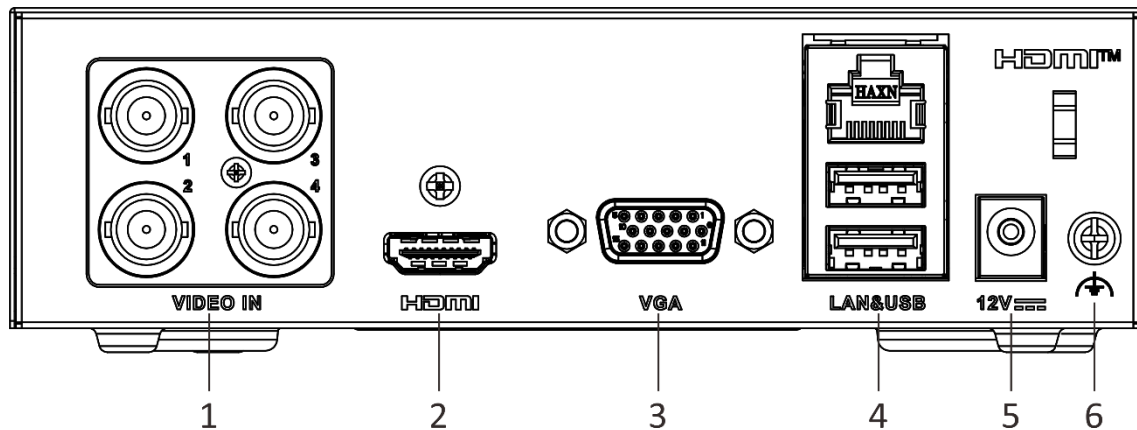- Full channel recording at up to 2 MP Lite resolution

## Smart Function

- Deep learning-based motion detection 2.0
- Smart search for efficient playback

## ▪ Specification

| Motion Detection 2.0 | |
| --- | --- |
| Human/Vehicle Analysis | 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; Quick search by object or event type is supported; |

| Recording | |
| --- | --- |
| Video Compression | H.265 Pro/H.265 |
| Encoding Resolution | 1080p Lite/720p/WD1/4CIF/CIF |
| Frame Rate | Main stream: 1080p Lite/720p/WD1/4CIF/CIF@25 fps (P)/30 fps (N) Note: 1080p Lite/720p is 15 fps by default Sub-stream: 4CIF@15 fps; CIF/QVGA@25 fps (P)/30 fps (N) |
| Video Bitrate | According to the actual scene, scene-adaptive bitrate control technology would automatically allocates appropriate bitrate to ensure the stability of recording period. |
| Stream Type | Video, Video & Audio Note: In order to protect privacy, the device will only record video (without audio) by default. If you want to record audio, you shall manually enable audio recording. For operation details, refer to the user manual. |
| Audio Compression | G.711u |
| Audio Bitrate | 64 Kbps |

| Video and Audio | |
| --- | --- |
| IP Video Input | 1-ch Up to 1080p resolution Support H.265+/H.265 IP cameras |
| Analog Video Input | 4-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection |
| HDTVI Input | 1080p25, 1080p30, 720p25, 720p30 |
| AHD Input | 1080p25, 1080p30, 720p25, 720p30 |
| HDCVI Input | 1080p25, 1080p30, 720p25, 720p30 |
| CVBS Input | Support |
| HDMI Output | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz |
| VGA Output | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz |
| Video Output Mode | HDMI/VGA simultaneous output |

| Audio Input | 4-ch via coaxial cable |
|---|---|
| Audio Output | 1-ch via HDMI |
| Synchronous playback | 4-ch |
| **Network** | |
| Total Bandwidth | 64 Mbps<br>Incoming bandwidth: 1 Mbps |
| Remote Connection | 32 |
| Network Protocol | TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, UPnP™, HTTPS |
| Network Interface | 1, RJ45 10/100 Mbps self-adaptive Ethernet interface |
| **Auxiliary Interface** | |
| Capacity | Built-in 300 GB eSSD<br>Note:<br>The device can store about 2 weeks videos for 4-ch analog cameras (default parameters), this estimation is for reference only. |
| USB Interface | Rear panel: 2 × USB 2.0 |
| Alarm In/Out | N/A |
| **General** | |
| Power Supply | 12 VDC, 1 A |
| Consumption | ≤ 5.4 W (with eSSD) |
| Working Temperature | -10 °C to 45 °C (14 °F to +113 °F) |
| Working Humidity | 10% to 90% |
| Dimension (W × D × H) | 151 × 121× 46 mm (5.94 × 4.76 × 1.81 inch) |
| Weight | ≤ 0.5 kg (with eSSD, 1.1 lb.) |

## Physical Interface



| No. | Description | No. | Description |
|-----|-------------|-----|-------------|
| 1 | Video and coaxial audio in | 4 | LAN network interface and USB interface |
| 2 | HDMI interface | 5 | Power supply |
| 3 | VGA interface | 6 | GND |

## Available Model

DS-E04HGHI-B

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