

# TURBO HD DVR

## S04-TURBO-M1

- Deep learning based human and vehicle targets classification of Motion Detection 2.0
- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 video compression
- HDTV/AVHD/CVI/CVBS/IP video input
- Audio via coaxial cable
- Up to 5-ch IP camera input (up to 2 MP)
- Up to 1080p Lite@15 fps encoding capability
- Max. 1200 m for 720p HDTV signal



### Smart Function

- Deep learning-based motion detection 2.0.

### Compression and Recording

- H.265 Pro+ video compression improves encoding efficiency, and reduces data storage costs
- Support 1080p Lite of all channels. When 1080p Lite is on, the image effect is similar with 1080p

### Storage and Playback

- 1 SATA interface (up to 4 TB capacity)
- Smart search for efficient playback

### Network & Ethernet Access

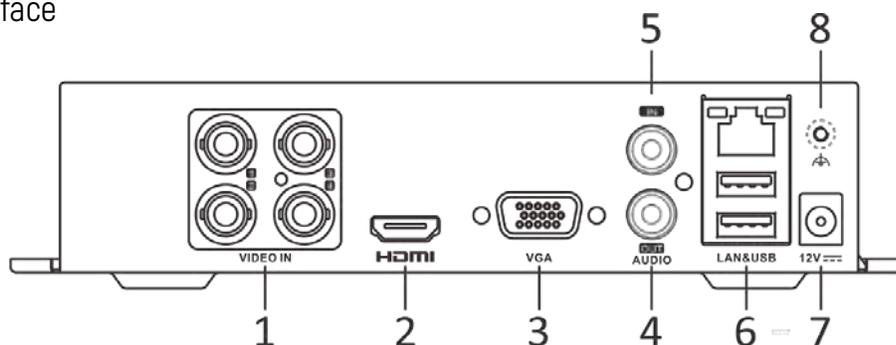
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management

▪ 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 Pro/H.265/H.264+/H.264
Encoding Resolution	For 1080p stream access : 1080p Lite/720p Lite/WD1/4CIF/VGA/CIF For 720p stream access : 720p/WD1/4CIF/VGA/CIF For SD stream access : WD1/4CIF/VGA/CIF
Frame Rate	Main stream: For 1080p stream access : 1080 p Lite/720 p Lite/WD1/4CIF/VGA/CIF@25 fps(P)/30 fps (N) For 720p stream access : 720p/WD1/4CIF/VGA/CIF@ 25fps (P)/30 fps (N) For SD stream access : WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N) Sub-stream: 4CIF@15fps ; CIF/QVGA@25 fps (P)/30 fps (N)
Video Bitrate	32 Kbps to 4 Mbps
Stream Type	Video, Video & Audio
Audio Compression	G.711u
Audio Bitrate	64 Kbps
Video and Audio	
IP Video Input	1 -ch (up to 5 -ch) Up to 1080p resolution Support H.265+/H.265/H.264+/H.264 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	1 -ch RCA (2.0 Vp -p, 1 K Ω ) 4 -ch via coaxial cable

Audio Output	1-ch, RCA (Linear, 1 K $\Omega$ )
Two -Way Audio	Reuse the first audio input
Synchronous playback	4-ch
<b>Network</b>	
Total Bandwidth	64 Mbps
Network Protocol	TCP/IP, PPPoE, DHCP, Hik - Connect, DNS, DDNS, NTP, SADP, SMTP, UPnP™ , HTTPS
Remote Connection	32
Network Interface	1, RJ45 10/100 Mbps self - adaptive Ethernet interface
<b>Auxiliary Interface</b>	
SATA	1 SATA interface
Capacity	Up to 4 TB capacity for each disk
USB Interface	Rear panel: 2 × USB 2.0
Alarm In/Out	N/A
<b>General</b>	
Power Supply	12 VDC, 1.5 A
Consumption	≤ 16 W (without HDD)
Working Temperature	-10 °C to 55 °C (14 °F to +31 °F)
Working Humidity	10% to 90%
Dimension (W × D × H)	260 × 222 × 45 mm (10.2 × 8.7 × 1.8 inch)
Weight	≤ 0.8 kg (without HDD, 1.8 lb.)

## Physical Interface



No.	Description	No.	Description
1	Video and coaxial audio in	5	AUDIO IN, RCA connector
2	HDMI interface	6	LAN network interface and USB interface
3	VGA interface	7	12 VDC power input
4	AUDIO OUT, RCA connector	8	GND

## Available Model

S04-TURBO-M1