TURBO HD DVR

S16-TURBO-M1

Key Feature
· 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
· HDTVI/AHD/CVI/CVBS/IP video input
· Audio via coaxial cable
· Up to 18-ch IP camera inputs (up to 5 MP)
· Up to 1080p Lite@15 fps encoding capability
· Max. 1200 m for 720p HDTVI 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 10 TB capacity)
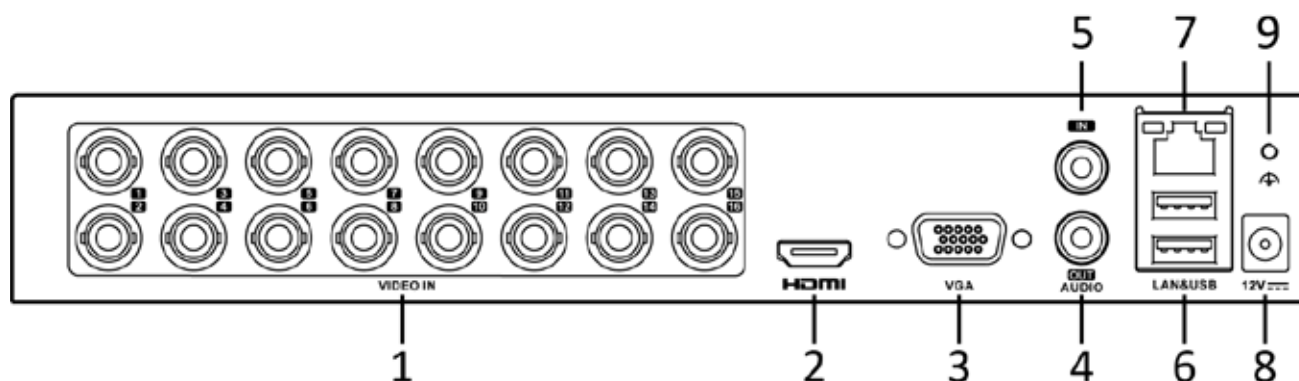· Smart search for efficient playback

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 L ite/WD1/4CIF/VGA/CIF For 720p stream access: 720p/WD1/4CIF/VGA/CIF For standard definition stream access: WD1/4CIF/VGA/CIF
Frame Rate	Main stream: For 1080p stream access: 1080 p Lite/720 p Lite/WD1/4CIF/VGA/CIF@15 fps For 720p stream access: 720p/WD1/4CIF/VGA/CIF@15 fps For SD stream access: WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N) Sub -stream: For 1080p and 720p stream access: CIF/QVGA@15 fps For SD stream access: 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	2 -ch (up to 18 -ch) Up to 5 MP resolution Support H.265+/H.265/H.264+/H.264IP cameras
Analog Video Input	16 -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)
	16 -ch via coaxial cable
Audio Output	1 -ch, RCA (Linear, 1 KΩ)
Two -Way Audio	Reuse the first audio input
Synchronous playback	16 -ch
Network	
Total Bandwidth	96 Mbps
Network Protocol	TCP/IP, PPPoE, DHCP, Hik -Connect, DNS, DDNS, NTP, SADP, SMTP, UPnP ™ , HTTPS
Remote Connection	128
Network Interface	1, RJ45 10/100 Mbps self -adaptive Ethernet interface
Auxiliary Interface	
SATA	1 SATA interface
Capacity	Up to 10 TB capacity for each disk
USB Interface	Rear panel: 2 × USB 2.0
General	
Power Supply	12 VDC, 1.6 A
Consumption	≤ 7 W (without HDD)
Working Temperature	-10 °C to 55 °C (14°F to +31 °F)
Working Humidity	10% to 90%
Dimension (W × D × H)	285 × 210 × 45 mm (11.2 × 8.3 × 1.8 inch)
Weight	≤ 1.8 kg (without HDD, 4.0 lb.)

Physical Interface

No.	Description	No.	Description
1	Video and coaxial audio in	6	USB interface
2	HDMI i nterface	7	LAN network i nterface
3	VGA i nterface	8	12 VDC power input
4	AUDIO OUT	9	GND
5	AUDIO IN		