

# TURBO HD DVR

S16-TURBO-G3

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Professional Video Surveillance Solutions

## 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
- HDTV/AVHD/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 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 10 TB capacity)
- Smart search for efficient playback

## Network & Ethernet Access.

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

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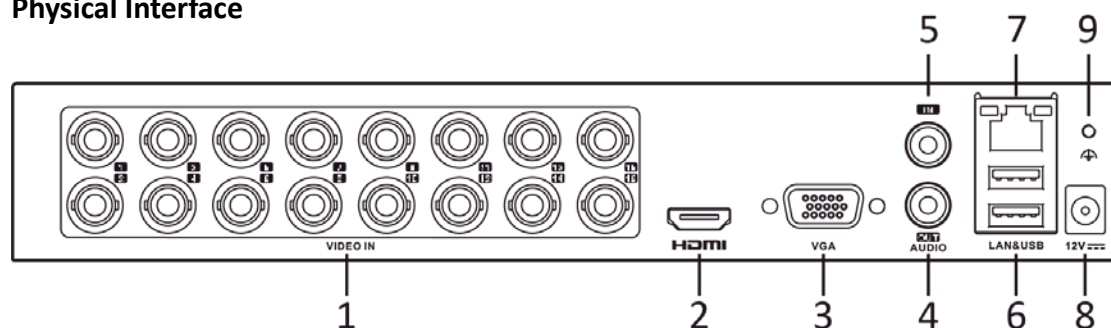
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## ▪ Specification

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>For 1080p stream access: 1080p Lite/720p Lite/WD1/4CIF/VGA/CIF</p> <p>For 720p stream access: 720p/WD1/4CIF/VGA/CIF</p> <p>For standard definition stream access: WD1/4CIF/VGA/CIF</p>
Frame Rate	<p>Main stream:</p> <p>For 1080p stream access: 1080p Lite/720p Lite/WD1/4CIF/VGA/CIF@15 fps</p> <p>For 720p stream access: 720p/WD1/4CIF/VGA/CIF@15 fps</p> <p>For SD stream access: WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N)</p> <p>Sub-stream:</p> <p>For 1080p and 720p stream access: CIF/QVGA@15 fps</p> <p>For SD stream access: CIF/QVGA@25 fps (P)/30 fps (N)</p>
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	<p>2-ch (up to 18-ch)</p> <p>Up to 5 MP resolution</p> <p>Support H.265+/H.265/H.264+/H.264 IP cameras</p>
Analog Video Input	<p>16-ch</p> <p>BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection</p>
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 $\Omega$ ) 16-ch via coaxial cable
Audio Output	1-ch, RCA (Linear, 1 K $\Omega$ )
Two-Way Audio	Reuse the first audio input
Synchronous playback	16-ch
<b>Network</b>	
Total Bandwidth	96 Mbps
Network Protocol	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS
Remote Connection	128
Network Interface	1, RJ45 10/100 Mbps self-adaptive Ethernet interface
<b>Auxiliary Interface</b>	
SATA	1 SATA interface
Capacity	Up to 10 TB capacity for each disk
USB Interface	Rear panel: 2 $\times$ USB 2.0
<b>General</b>	
Power Supply	12 VDC, 1.6 A
Consumption	$\leq$ 7 W (without HDD)
Working Temperature	-10 $^{\circ}$ C to 55 $^{\circ}$ C (14 $^{\circ}$ F to +31 $^{\circ}$ F)
Working Humidity	10% to 90%
Dimension (W $\times$ D $\times$ H)	285 $\times$ 210 $\times$ 45 mm (11.2 $\times$ 8.3 $\times$ 1.8 inch)
Weight	$\leq$ 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 interface	7	LAN network interface
3	VGA interface	8	12 VDC power input
4	AUDIO OUT	9	GND
5	AUDIO IN		

## Available Model