

# iDS-64D516-4D/16 TURBO HD DVR



## Key Features

- Support deep learning-based analysis.
- Support H.265 Pro+/H.265 Pro/H.265 video compression.
- Support HDTV/1/AHD/CVI/CVBS/IP video input.
- Max 32 IP cameras input (up to 8 MP).
- Max 800 m for 1080p and 1200 m for 720p HDTV signal.
- Up to 10 TB capacity per HDD.



## Compression and Recording

- H.265 Pro+ can improve encoding efficiency and reduce the data storage cost.
- Full channel recording at up to 8 MP resolution.

## Storage and Playback

- 4 SATA interfaces and 1 eSATA interface.
- Smart search for efficient playback.
- Support the 3rd party cloud storage (Dropbox/Google Drive/Microsoft OneDrive).

## Smart Function

- Deep learning-based analysis: all channels support re-recognition of the human body or vehicle target in behavior detection to reduce false alarm.
- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras.
- Support line crossing detection and intrusion detection of all channels, and 2-ch sudden scene change detection.

## Network & Ethernet Access

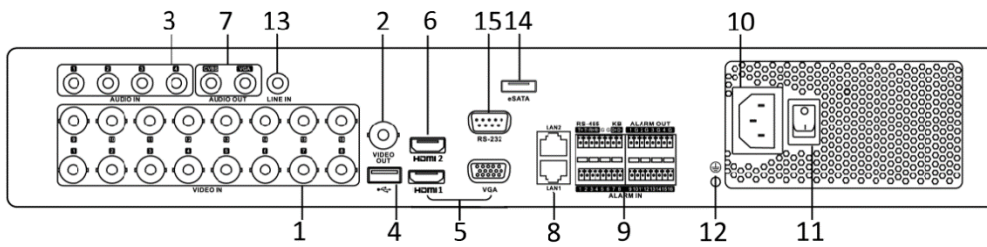
- DDNS (Dynamic Domain Name System) for easy network management.
- Output bandwidth limit configurable.

## Specifications

<b>Model</b>	<b>iDS-64D516-4D/16</b>
<b>Recording</b>	
<b>Video compression</b>	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
<b>Encoding resolution</b>	8 MP/5 MP/4 MP/3M/1080P/720P/WD1/4CIF/VGA/CIF
<b>Frame rate</b>	Main stream: 8 MP@8 fps/5 MP@12 fps/4 MP@15 fps/3 M@18 fps/1080P/720P/WD1/4CIF/VGA/CIF
	Sub-stream: WD1/4CIF/CIF@25fps (P)/30fps (N)
<b>Video bit rate</b>	32 Kbps to 10 Mbps
<b>Dual stream</b>	Support
<b>Stream type</b>	Video, Video & Audio
<b>Audio compression</b>	G.711u
<b>Audio bit rate</b>	64 Kbps
<b>Video and Audio</b>	
<b>IP video input</b>	16-ch (up to 32-ch)
	Up to 8 MP resolution
	Support H.265+/H.265/H.264+/H.264 IP cameras
<b>Analog video input</b>	16-ch
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
<b>HDTV I input</b>	8 MP15, 8 MP12.5, 5 MP20, 5 MP12, 4 MP30, 4 MP25, 3 MP18, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25
<b>AHD input</b>	5 MP20, 4 MP30, 4 MP25, 1080p30, 1080p25, 720p30, 720p25
<b>HDCVI input</b>	4 MP30, 4 MP25, 1080p30, 1080p25, 720p30, 720p25
<b>CVBS input</b>	PAL/NTSC
<b>CVBS output</b>	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
<b>HDMI 1/VGA output</b>	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
<b>HDMI2 output</b>	1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
<b>Audio input</b>	4-ch, RCA (2.0 Vp-p, 1 KΩ)
<b>Audio output</b>	2-ch, RCA (Linear, 1 KΩ)
<b>Two-way audio</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ)
<b>Synchronous playback</b>	16-ch
<b>Network</b>	
<b>Remote connections</b>	128
<b>Network protocols</b>	TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF, SNMP
<b>Network interface</b>	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
<b>Auxiliary interface</b>	
<b>SATA</b>	4 SATA interfaces
<b>eSATA</b>	Support

<b>Capacity</b>	Up to 10 TB capacity for each disk
<b>Serial interface</b>	RS-232, RS-485 (full-duplex), Keyboard
<b>USB interface</b>	Front panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0
<b>General</b>	
<b>Power supply</b>	110 to 220 VAC
<b>Consumption (without HDD)</b>	≤ 110 W
<b>Working temperature</b>	-10 °C to +55 °C (+14 °F to +131 °F)
<b>Working humidity</b>	10% to 90%
<b>Dimensions (W × D × H)</b>	440 × 407 × 75 mm (17.3 × 16.0 × 3.0 inch)
<b>Weights (without HDD)</b>	≤ 5 kg (11.0 lb)

## Physical Interfaces



Index	Description	Index	Description
1	VIDEO IN	9	RS-485 Serial Interface, Keyboard Interface, ALARM IN and ALARM OUT
2	VIDEO OUT	10	100 to 240 VAC Power Input
3	AUDIO IN of RCA Connector	11	Power Switch
4	USB Interface	12	GND
5	HDMI 1/VGA Interface	13	LINE IN
6	HDMI 2 Interface	14	eSATA Interface
7	CVBS AUDIO OUT	15	RS-232 Serial Interface
8	LAN Network Interfaces		