



► Introduction

TurboHD series DVR (Digital Video Recorder) is a new generation recorder which can connect HD analog cameras and provide powerful surveillance. Combined with multiple advanced technologies, such as audio and video encoding & decoding technology, embedded system technology, storage technology, network technology and intelligent technology. It can both work alone as a recorder and cooperate with other devices to build a comprehensive surveillance system.

The TurboHD series DVR are widely applied in the areas of finance, public security, military, communication, transportation, education, etc..

► Main Features

Tri-hybrid solution connectable to TurboHD (TVI), IP and analog cameras.

Connectable to the Coaxitron camera/dome with long transmission distance.

Simultaneous HDMI and VGA outputs at up to 1920x1080P resolution.

New GUI and support starting record with one key.

Redundant recording and holiday recording.

Instant playback for assigned camera during multi-channel live view mode

Support up to 16-ch synchronous playback at 1080P resolution and reverse playback for multi-camera.

Smart playback to go through less effective information.

Manual video quality diagnostics.

Customization of tags, searching and playing back by tags.

Locking and unlocking record files.

Support HDD quota and group management, different capacity can be assigned to different cameras under quota mode.

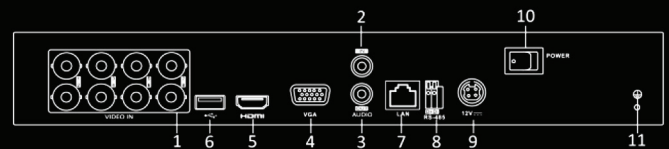
Provide up to 2 SATA interfaces for recording.

Up to 1 self-adaptive 10M/100M/1000M network interface for EV1016TURBO and 1 self-adaptive 10M/100M network interface for other models.

Support Hikvision DDNS (Dynamic Domain Name System).

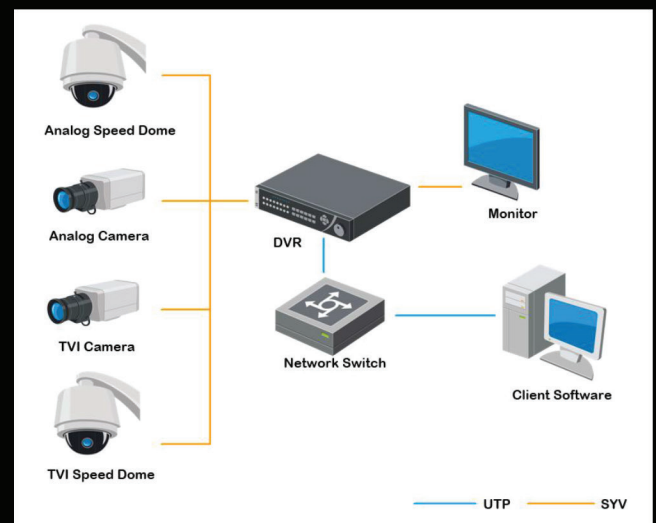
Network detection function.

► Physical Interfaces



- 1 VIDEO IN
- 2 AUDIO IN, RCA Connector
- 3 AUDIO OUT, RCA Connector
- 4 VGA Interface
- 5 HDMI Interface
- 6 USB Port
- 7 LAN Network Interface
- 8 RS-485 Serial Interface
- 9 12VDC Power Input
- 10 Power Switch
- 11 GND

► Typical Application



► Specifications

Model	EV1004TURBO	EV1008TURBO	EV1016TURBO
Video compression		H.264	
Analog and HD-TVI video input	4-Ch	8-Ch	16-Ch
	BNC interface (1.0Vp-p, 75Ω)		
Supported camera types	720P25, 720P30, 720P50, 720P60, 1080P25, 1080P30, CVBS, HIKVISION IP cameras		
Audio compression	G.711U		
Audio input / Two-way audio in	1-ch, RCA (2.0 Vp-p, 1kΩ)		
Video/Audio input	HDMI / VGA output		
	1920x1080 / 60Hz, 1280x1024/60Hz, 1280x720 / 60Hz, 1024x768 /60Hz		
	Encoding resolution		
	Main stream: 1080P(non-real-time) / 720P / VGA / WD1 / 4CIF / CIF		
	Sub-stream: WD1(non-real-time) / 4CIF(non-real-time) / CIF / QCIF / QVGA		
	Frame rate		
	Main stream: 1/16 fps ~ Real time frame rate		
	Sub-stream: 1/16 fps ~ Real time frame rate		
Video/Audio Output	Video bitrate		
	32 Kbps-6 Mbps		
	Audio output		
	1-ch, RCA (Linear, 1KΩ)		
	Audio bitrate		
	64 Kbps		
	Dual-stream		
	Support		
	Stream type		
	Video, Video & Audio		
	4-Ch	8-Ch	16-Ch
	Synchronous playback		
	Playback resolution		
	1080P/720P/VGA/WD1/4CIF/CIF/QVGA/QCIF		
Network Management	Remote connections		
	128		
	Network protocols		
	TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP/DM, HTTPS		
Hard disk	SATA		
	1 SATA interface		2 SATA interface
	Capacity		
	Up to 4 TB capacity for each disk		
External Interface	Network interface		
	1; 10M / 100M self-adaptive Ethernet interface		1; 10M / 100M / 1000M self-adaptive Ethernet interface
	Serial interface		
	1; standard RS-485 serial interface, half-duplex		
	USB port		
	2 ×USB2.0		
General	Power supply		
	12V DC		
	Consumption (without hard disks)	≤ 15W	≤ 20W
	Working temperature	- 10 °C ~ + 55 °C (14 °F ~ 131 °F)	
	Working humidity	10% ~ 90%	
	Chassis	1U chassis	380mm 1U chassis
	Dimensions (W ×D ×H)	315 ×242 ×45mm (12.4 ×9.5 ×1.8 inch)	380 ×290 ×48mm (15.0 ×11.4 ×1.9 inch)
	Weight (without hard disks)	≤ 1.5Kg (3.3lb)	≤ 2Kg (4.4lb)