

HARA15-16 SERIES TURBO HD DVR



Features and Functions

Appearance Design

- Typical chassis design to guarantee the low noise and environmental protection of the device
- Front slot of DVD-R/W for more convenient installation and maintenance

Video Input and Transmission

- Connectable to HDTV, AHD and analog cameras
- Up to 10/18/32-ch 8 MP IP cameras input for HARA15-8
- Long distance transmission over UTP and coaxial cable

Compression and Recording

- H.264+ compression improves encoding efficiency by up to 50% and reduces data storage costs
- Full channel recording at up to 3 MP resolution
- Supports POS triggered recording and POS information overlay

Video Output

- Simultaneous HDMI1 and VGA output at up to 1920 × 1080 resolution, and independent HDMI 2 output at up to 4K (3840 × 2160) resolution
- Independent CVBS output improves compatibility at the most possibility

Storage and Playback

- Eight SATA interfaces (up to 6 TB capacity per HDD)
- Hot-swappable HDD supporting RAID 0, RAID 1, RAID 5, RAID 6 and RAID 10 storage scheme
- 4/8/16-ch synchronous playback
- Smart search for efficient playback
- Supports playback by main stream, or sub-stream for IP cameras
- Supports the 3rd party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

Smart Function

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- VQD (Video Quality Diagnostics)

Network & Ethernet Access

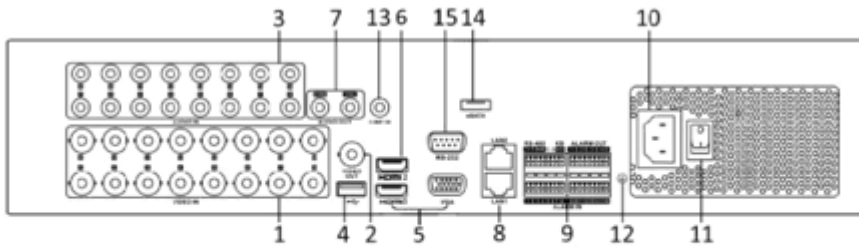
- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- Two gigabit Ethernet network interfaces

Specifications

Model		HARA15-8		HARA15-16	
Video/Audio input	Video compression	H.264+/H.264			
	Analog video input	4-ch	8-ch	16-ch	
	HDTVI input	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection			
	AHD input	3 MP, 1080p/25Hz, 1080p/30Hz, 720p/25Hz, 720p/30Hz, 720P/50Hz, 720p/60Hz			
	CVBS input	720p/25Hz, 720p/30Hz			
	IP video input	Support			
		6-ch (up to 10-ch)	10-ch (up to 18-ch)	18-ch (up to 32-ch)	
		Up to 8 MP resolution H.265/H.264+/H.264			
	Audio compression	G.711u			
Audio input	4-ch	8-ch	16-ch		
		RCA (2.0 Vp-p, 1 KΩ)			
Video/Audio output	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480			
	HDMI1/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz			
	HDMI2 output	1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz			
	Encoding resolution	3 MP/1080p/720p/WD1/4CIF/VGA/CIF			
	Frame rate	Main stream: 3 MP@15fps; 1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)			
		Sub-stream: WD1/4CIF@12fps; CIF/QVGA/QCIF@25fps (P)/30fps (N)			
	Video bit rate	32 Kbps to 10 Mbps			
	Audio output	2-ch, RCA (Linear, 1 KΩ)			
	Audio bit rate	64 Kbps			
	Dual stream	Support			
	Stream type	Video, Video & Audio			
Synchronous playback	4-ch	8-ch	16-ch		
Network management	Remote connections	128			
	Network protocols	TCP/IP, PPPoE, DHCP, Hik Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF, SNMP			
Hard disk	SATA	8 SATA interfaces			
	eSATA	Support			
	Capacity	Up to 6 TB capacity for each disk.			
Disk array	Array type	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10			
	Number of arrays	16			
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (independent)			
	Network interface	2, RJ45 10M/100M/1000M self-adaptive Ethernet interface			
	USB interface	Front panel: 2 × USB 2.0 Rear panel: 1 × USB 3.0			
	Serial interface	RS-232, RS-485 (full-duplex), Keyboard			
	Alarm in/out	16/4			
General	Power supply	100 to 240 VAC			
	Consumption (without HDD)	≤ 35 W	≤ 45 W	≤ 65 W	
	Working temperature	-10 °C to +55 °C (14 °F to 131 °F)			
	Working humidity	10% to 90%			
	Dimensions (W × D × H)	445 × 470 × 90 mm (17.5 × 18.5 × 3.5 inch)			
	Weight (without HDD)	≤ 8 kg (17.6 lb)			

For HARA15-8 series DVR, TVI and AHD signals cannot be mixed randomly. Each two video channels are grouped in sequence, e.g., CH01 and CH02, CH03 and CH04..., and each two channels in the same group must be connected with the same type of video source selected on GUI. For example, when the TVI/CVBS signal mode is selected, then either TVI or CVBS signal input can be connected to the channels in the same group; and when the AHD signal mode is selected, only the AHD signal input can be connected. The above information is for reference only. Please refer to the specific configuration of the device.

Physical Interfaces



The rear panel of HARA15-8 provides 4/8 video input 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, RCA Connector	11	Power Switch
4	USB Interface	12	GND
5	HDMI1/VGA Interface	13	LINE IN
6	HDMI2 Interface	14	eSATA Interface
7	CVBS AUDIO OUT and VGA AUDIO OUT	15	RS-232 Serial Interface
8	LAN1 and LAN2 Network Interfaces		

Available Models

HARA15-8
HARA15-16