HAR315 SERIES TVI DVR

Features and Functions

Video Input and Transmission

- Connectable to HD-TVI, AHD, network and analog cameras
- Up to 2-ch 4MP ONVIF conformant IP cameras input
- Long distance transmission over twisted-pair cable & coax 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 3MP resolution

Video Output

- HDMI output at up to 4K (3840 × 2160) resolution (HAR315-8 and HAR315-16)
- CVBS output improves compatibility at the most possibility

Storage and Playback

- One SATA interface for HAR315-4 and two SATA interfaces for HAR315-8 AND HAR315-16(up to 8TB of capacity per HDD)
- HDD quota and group management for flexible recording storage
- 4/8/16-ch synchronous playback
- Smart search for efficient playback
- 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

- Guarding Vision P2P & DDNS (Dynamic Domain Name System) for easy network management
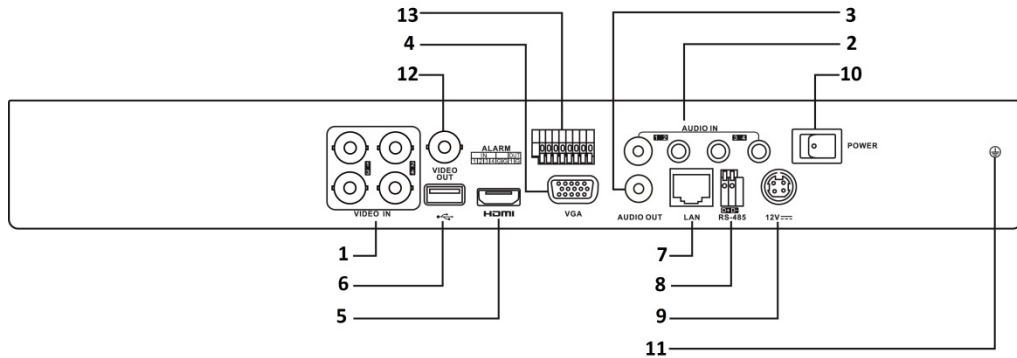- Gigabit Ethernet network interface (HAR315-8 and HAR315-16)

Specifications

Model		HAR315-4	HAR315-8	HAR315-16
Video/Audio input	Video compression	H.264+/H.264		
	Video input	4-ch	8-ch	16-ch
		BNC interface (1.0Vp-p, 75 Ω), supporting coaxitron connection		
	Supported HDTVI input	1080p/25Hz, 1080p/30Hz, 720p/25Hz, 720p/30Hz, 720P/50Hz, 720p/60Hz, 3MP		
	Supported AHD input	1080p/25Hz, 1080p/30Hz,720p/25Hz, 720p/30Hz		
	CVBS input	Support		
	IP video input	2-ch		
		Up to 4 MP resolution		
	Audio compression	G.711u		
	Audio input	4-ch, RCA (2.0 Vp-p, 1 KΩ)		
Video/Audio output	CVBS output	Support		
	HDMI/VGA output	**VGA**: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60 Hz		
		HDMI: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	**HDMI**: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
	Encoding resolution	3MP@15fps/1080p/720p/WD1/4CIF/VGA/CIF		
	Frame rate	Main stream: 25 fps (P)/30 fps (N) Sub-stream: WD1/4CIF@12fps (non-real-time); CIF/QVGA/QCIF (real time)		
	Video bitrate	32 Kbps to 10 Mbps		
	Audio output	1-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, Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF		
Hard disk	SATA	1 SATA interfaces	2 SATA interfaces	
	Capacity	Up to 8TB capacity		
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)		
	Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	
	USB interface	2 × USB 2.0	Front panel: 1× USB 2.0 Rear panel: 1×USB 3.0	
	Serial interface	1; RS-485 serial interface, half-duplex		
	Alarm in/out	4/1	8/4	16/4
General	Power supply	12 VDC		
	Consumption (without HDD)	≤ 15W	≤ 20W	≤ 20W
	Working temperature	-10 ºC to +55 ºC (14 ºF to 131 ºF)		
	Working humidity	10% to 90%		
	Dimensions (W × D × H)	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)	380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)	
	Weight (without HDD)	≤ 1.5 kg (3.3 lb)	≤ 2 kg (4.4 lb)	≤ 2 kg (4.4 lb)

NOTE For HAR315 series DVR, 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.

Physical Interfaces

NOTE The rear panels of HAR315-8 and HAR315-16 provide 8 and 16 video input interfaces respectively.

Index	Description	Index	Description
1	VIDEO IN	**8**	RS-485 Serial Interface
2	AUDIO IN, RCA Connector	**9**	12 VDC Power Input
3	AUDIO OUT, RCA Connector	**10**	Power Switch
4	VGA Interface	**11**	GND
5	HDMI Interface	**12**	VIDEO OUT
6	USB Interface	**13**	Alarm in/out
7	LAN Network Interface		

Available Models

HAR315-4, HAR315-8, HAR315-16