

HR315-16

HD-TVI, IPC, AHD and analog DVR



Features and Functions

Video Input and Transmission

- Connectable to HD-TVI, AHD, network and analog cameras
- Up to 16ch 8MP 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/VGA output at up to 1080p resolution
- CVBS output improves compatibility at the most possibility

Storage and Playback

- One or two SATA interfaces (up to 6TB of capacity per HDD)
- 16ch synchronous playback at up to 3MP resolution
- 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

- Cloud P2P &SIMPLEDDNS (Dynamic Domain Name System) for easy network management
- Gigabit Ethernet network interface

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Model	HR315-16	
Video/Audio input	Video compression	H.264+/H.264
	Video input	16-ch BNC interface (1.0Vp-p, 75 Ω), supporting coaxitron connection
	HD-TVI input	3MP, 1080p/25Hz, 1080p/30Hz, 720p/60Hz, 720p/50Hz, 720p/30Hz, 720p/25Hz
	Supported AHD input	1080p/30Hz, 1080p/25Hz
	CVBS input	Support
	IP video input	16-ch (up to 32-ch)
		Up to 8 MP resolution
	Network bandwidth	140 Mbps (incoming bandwidth: Up to 72 Mbps)
	Audio compression	G.711u
Audio input	4-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
	HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	Encoding resolution	3MP: 15fps 1080p/720p/WD1/4CIF/VGA/CIF: 25 fps (P)/30 fps (N)
	Frame rate	Main stream: 25 fps (P)/30 fps (N)
		Sub-stream: WD1/4CIF: 12fps CIF/QVGA/QCIF: 25 fps (P)/30 fps (N)
	Video bit rate	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	16-ch	
Network management	Network protocols	TCP/IP, PPPoE, DHCP, Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF
Hard disk	SATA	2 SATA interfaces
	Capacity	Up to 6TB capacity
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)
	Network interface	
	USB interface	1, USB 2.0 on the front panel
		1, USB 3.0 on the rear panel
	Serial interface	1; RS-485 serial interface, half-duplex
	Alarm in/out	16/4
General	Power supply	12 VDC
	Consumption (without HDD)	≤ 40W
	Working temperature	-10 °C to +55 °C (14 °F to 131 °F)
	Working humidity	10% to 90%
	Dimensions (W × D × H)	380 × 320 × 48 mm (14.9 × 12.6 × 1.89 inch)
	Weight (without HDD)	≤ 2 kg (4.4 lb)

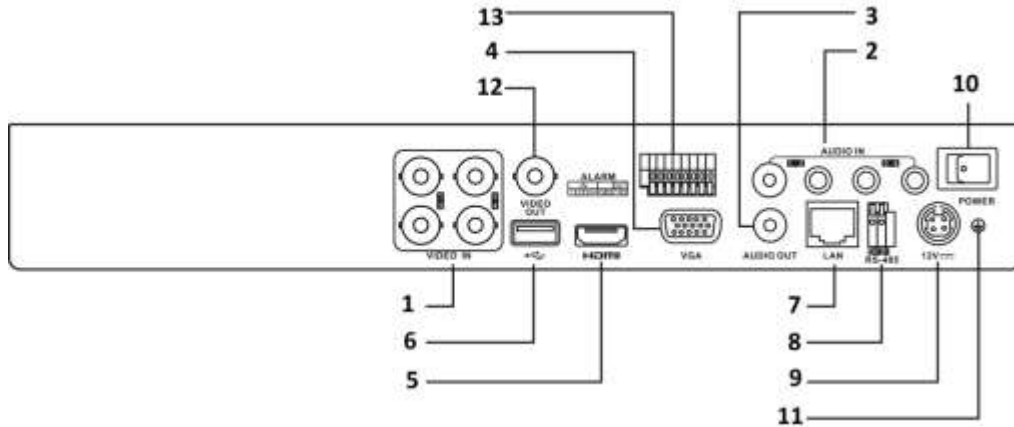


Each two video channels are grouped in sequence, e.g., CH01 and CH02, CH03 and CH04..., and each two channels in the same group must be connected with the same type of video source selected on GUI.

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Physical Interfaces



The rear panel of HR315-8 and HR315-16 provides 8 or 16 video input interfaces.

Index	Description	Index	Description
1	VIDEO IN	8	RS-485 Serial Interface
2	AUDIO IN, RCA Connector	9	12VDC 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		