PHR315 Series TURBO HD DVR

Features and Functions

Video Input and Transmission

- Connectable to HD-TVI, AHD, network and analog cameras
- Up to 32-ch 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)
- 8/16-ch 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

- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
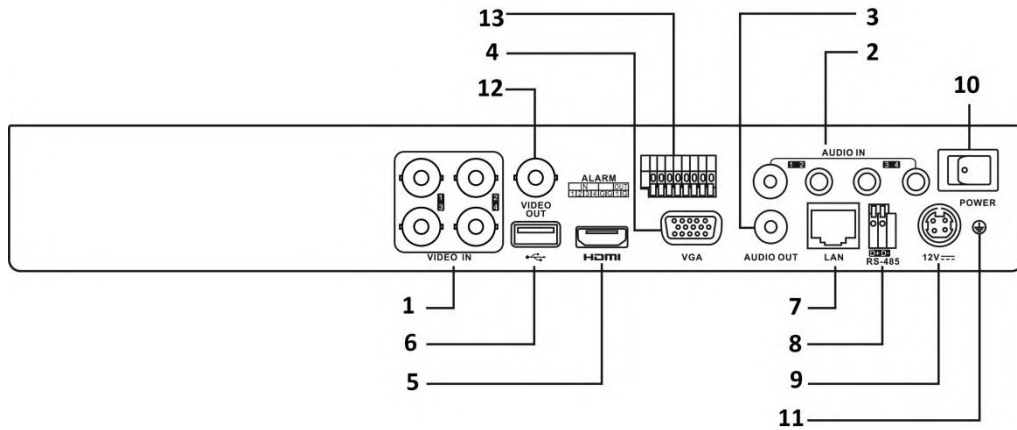- Gigabit Ethernet network interface (PHR315-8,PHR315-16)

Specifications

Model			PHR315-8	PHR315-16
Video/Audio input	**Video compression**		H.264+/H.264	
	Video input		8-ch	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		720p/30Hz, 720p/25Hz	
	CVBS input		Support	
	IP video input		8-ch (up to 16-ch)	16-ch (up to 32-ch)
			Up to 8 MP resolution	
	Network bandwidth		128 Mbps	140 Mbps (incoming bandwidth: 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		8-ch	16-ch
Network management	**Network protocols**		TCP/IP, PPPoE, DHCP, Hik Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF	
Hard disk	**SATA**		2 SATA interfaces	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		1, RJ45 10M/100M/1000Mbps self-adaptive Ethernet interface	1, RJ45 10M/100M/1000Mbps self-adaptive Ethernet interface
	USB interface		1, USB 2.0 on the front panel 1, USB 3.0 on the rear panel	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		8/4	16/4
General	**Power supply**		12 VDC	
	Consumption (without HDD)		≤ 20W	≤ 40W
	Working temperature		-10 ºC to +55 ºC (14 ºF to 131 ºF)	
	Working humidity		10% to 90%	
	Dimensions (W × D × H)		380 × 320 × 48 mm (14.9× 12.6 × 18.9 inch)	380 × 320 × 48 mm (14.9× 12.6 × 18.9 inch)
	Weight (without HDD)		≤ 2 kg (4.4 lb)	

NOTE 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.

Physical Interfaces

NOTE The rear panel of PHR315-8 or PHR315-16 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		

Available Models

PHR315-8, PHR315-16