

## PAR324 SERIES TURBO HD DVR

### Features and Functions



#### Video Input and Transmission

- Connectable to HDTV, AHD, HDCVI and analog cameras
- Up to 2-ch 1080p IP cameras input for PAR324-8, PAR324-16
- Long distance transmission over UTP and coaxial cable with max. 1200m for the 720p and max. 800m for the 1080p HDTV signal

#### Compression and Recording

- One-key enable H.264+ compression to improve encoding efficiency by up to 50% and reduce data storage costs
- Up to 3 MP resolution for recording of the first 2 channels of PAR324-8, and the first 4 channels of PAR324-16
- Supports real-time 1080p lite and when enabled, the image effect is similar with 1080p

#### Video Output

- Simultaneous HDMI/VGA output at up to 1920 × 1080 resolution for PAR324-8 and 4K (3840 × 2160) resolution for HDMI output of PAR324-16
- Independent CVBS output improves compatibility at the most possibility and serves as the aux output or live view output only

#### Storage and Playback

- One SATA interface (up to 12 TB capacity per HDD)
- 8/16-ch synchronous playback
- Smart search for efficient playback

#### Smart Function

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Supports 2-ch line crossing detection and intrusion detection
- VQD (Video Quality Diagnostics)
- Unlock pattern for device login for the *admin* and clear-text password available
- GUID file can be exported for password resetting and imported for finding the forgotten password
- Supports PTZ control via Omnicast VMS of Genetec protocol

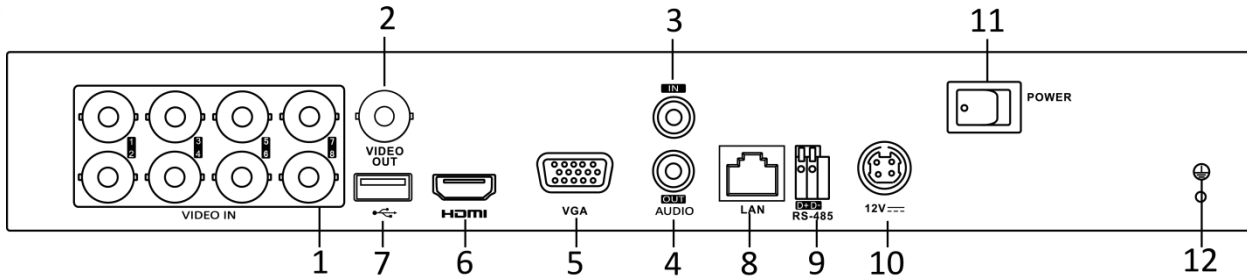
#### Network & Ethernet Access

- Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- 1 gigabit Ethernet network interface (for PAR324-16)
- Output bandwidth limit configurable

## Specifications

Model		PAR324-8	PAR324-16	
Video/Audio input	<b>Video compression</b>	H.264+/H.264		
	<b>Analog video input</b>	8-ch	16-ch	
		BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		
	<b>HDTVI input</b>	3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60 <b>Note:</b> The 3 MP signal input is only available for the first 2 channels of PAR324-8, and the first 4 channels of PAR324-8.		
	<b>AHD input</b>	1080p25, 1080p30, 720p25, 720p30		
	<b>HDCVI input</b>	1080p25, 1080p30, 720p25, 720p30		
	<b>CVBS input</b>	Support		
	<b>IP video input</b>	1-ch	2-ch	
		Up to 1080p resolution		
		<b>Audio compression</b>	G.711u	
	<b>Audio input/Two-way audio input</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
Video/Audio output	<b>CVBS output</b>	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
	<b>HDMI/VGA output</b>	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	<b>HDMI:</b> 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz <b>VGA:</b> 1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
	<b>Encoding resolution</b>	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 3 MP/1080p lite/720p/VGA/WD1/4CIF/CIF		
	<b>Frame rate</b>	Main stream: When 1080p Lite mode not enabled: For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@12fps For 1080p stream access: 1080p/720p@12fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled: 3 MP/1080p lite/720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF/2CIF@12fps; CIF/QVGA/QCIF@25fps (P)/30fps (N)		
	<b>Video bit rate</b>	32 Kbps to 6 Mbps		
	<b>Audio output</b>	1-ch, RCA (Linear, 1 KΩ)		
	<b>Audio bit rate</b>	64 Kbps		
	<b>Dual stream</b>	Support		
	<b>Stream type</b>	Video, Video & Audio		
	<b>Synchronous playback</b>	8-ch	16-ch	
	Network management	<b>Remote connections</b>	128	
		<b>Network protocols</b>	TCP/IP, PPPoE, DHCP, Hik Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF	
	Hard disk	<b>SATA</b>	1 SATA interface	
<b>Capacity</b>		Up to 12 TB capacity for each disk		
External interface	<b>Network interface</b>	1, RJ45 10M/100M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	
	<b>USB interface</b>	2 × USB 2.0		
	<b>Alarm in/out</b>	8/4	16/4	
	<b>Serial interface</b>	RS-485 (half-duplex)		
General	<b>Power supply</b>	12 VDC		
	<b>Consumption (without HDD)</b>	≤ 20 W	≤ 30 W	
	<b>Working temperature</b>	-10 °C to +55 °C (14 °F to 131 °F)		
	<b>Working humidity</b>	10% to 90%		
	<b>Dimensions (W × D × H)</b>	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)		
	<b>Weight (without HDD)</b>	≤ 2 kg (4.4 lb)	≤ 2 kg (4.4 lb)	

## Physical Interfaces



### NOTE

The rear panel of PAR324-16 provide 16 video input interfaces.

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

## Available Models

PAR324-8, PAR324-16