

## PAR336-8 TURBO HD DVR

### Key Feature

- H.265 Pro+/H.265 Pro/H.265 video compression
- HDTVI/AHD/CVI/CVBS/IP video input
- Audio via coaxial cable
- Up to 16/32-ch IP camera inputs (up to 8 MP)
- Max. 800 m for 1080p and 1200 m for 720p HDTVI signal transmission
- Up to 12 TB capacity per HDD



### Compression and Recording

- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Recording at up to 8 MP lite resolution

### Storage and Playback

- 2 SATA interfaces
- Smart search for efficient playback
- Support the third party cloud storage

### Smart Function

- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Support line crossing detection and intrusion detection of all channels, and 2-ch sudden scene change detection

### Network & Ethernet Access

- DDNS (Dynamic Domain Name System) for easy network management
- Max. 64/128 Mbps incoming bandwidth and output bandwidth limit configurable

## Specification

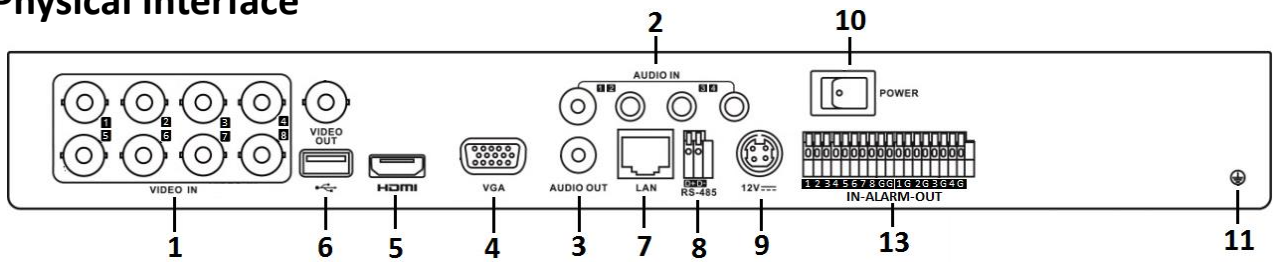
Model	PAR336-8	PAR336-16
<b>Perimeter Protection<sup>1</sup></b>		
<b>Line Crossing Detection/Intrusion Detection</b>	2-ch  Enhanced VCA mode on: 8-ch	2-ch  Enhanced VCA mode on: 16-ch
<b>Recording</b>		
<b>Video compression</b>	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	
<b>Encoding resolution</b>	When 8 MP Lite mode is not enabled: 8 MP/5 MP/3K/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF When 8 MP Lite mode is enabled: 8 MP Lite/5 MP/4 MP/3MP/1080P/720P/WD1/4CIF/VGA/CIF	
<b>Frame rate</b>	Main stream: When 8 MP Lite mode is not enabled: 8 MP@8 fps/5MP@12 fps/3K@12 fps/4 MP@15 fps/3 MP@18 fps 1080p/720p/WD1/4CIF/VGA/CIF@25 fps (P)/30 fps (N) When 8 MP Lite mode is enabled: 8 MP Lite/5 MP@12 fps/4 MP/3MP/1080P/720P/WD1/4CIF/VGA/CIF@15 fps	
	Sub-stream: WD1/4CIF/CIF@25fps (P)/30fps (N)	
<b>Video bit rate</b>	32 Kbps to 10 Mbps	
<b>Dual stream</b>	Support	
<b>Stream type</b>	Video, Video & Audio	
<b>Audio compression</b>	G.711u	
<b>Audio bit rate</b>	64 Kbps	
<b>Video and Audio</b>		
<b>IP video input<sup>2</sup></b>	4-ch (up to 12-ch)  Enhanced IP mode on: 8-ch (up to 16-ch), each up to 4 Mbps	8-ch (up to 24-ch)  Enhanced IP mode on: 16-ch (up to 32-ch), each up to 4 Mbps
	Up to 8 MP resolution	
	Support H.265+/H.265/H.264+/H.264 IP cameras	
<b>Analog video input</b>	8-ch	16-ch
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	
<b>HDTV input</b>	8 MP, 5 MP, 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25	
<b>AHD input</b>	5 MP, 4 MP, 1080p25, 1080p30, 720p25, 720p30	
<b>HDCVI input</b>	5 MP, 4 MP, 1080p25, 1080p30, 720p25, 720p30	
<b>CVBS input</b>	PAL/NTSC	
<b>CVBS output</b>	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	
<b>VGA output</b>	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz,	

	1024 × 768/60Hz		
<b>HDMI output</b>		1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
<b>Audio input</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
		8-ch via coaxial cable	16-ch via coaxial cable
<b>Audio output</b>	1-ch, RCA (Linear, 1 KΩ)		
<b>Two-way audio</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)		
<b>Synchronous playback</b>		8-ch	16-ch
<b>Network</b>			
<b>Total bandwidth</b>		128 Mbps	
<b>Incoming bandwidth (Enhanced IP mode)</b>		Up to 64 Mbps	Up to 128 Mbps
<b>Remote connection</b>		64	128
<b>Network protocol</b>	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF		
<b>Network interface</b>		1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	
<b>Auxiliary interface</b>			
<b>SATA</b>	2 SATA interfaces		
<b>Capacity</b>	Up to 12 TB capacity for each disk		
<b>Serial interface</b>	RS-485 (half-duplex)		
<b>USB interface</b>		Front panel: 1 × USB 2.0	
		Rear panel: 1 × USB 3.0	
<b>Alarm in/out</b>		8/4	16/4
<b>General</b>			
<b>Power supply</b>	12 VDC, 3.33 A		12 VDC, 5 A
<b>Consumption (without HDD)</b>		≤ 20 W	≤ 25 W
<b>Working temperature</b>	-10 °C to +55 °C (+14 °F to +131 °F)		
<b>Working humidity</b>	10% to 90%		
<b>Dimension (W × D × H)</b>	380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)		
<b>Weight (without HDD)</b>		≤ 1.78 kg (3.9 lb)	≤ 2 kg (4.4 lb)

**Note:**

- 1: Enabling enhanced VCA mode will maximize the connectable channel number for perimeter protection (line crossing detection and intrusion detection), but disable 2K/4K HDMI output resolution and 4 MP/5 MP/8 MP signal input.
- 2: Enhanced IP mode might be conflicted with smart events (perimeter protection) or other functions, please refer to the user manual for details.

## Physical Interface



\*: The rear panel of PAR336-8/16 provides 8/16 video input interfaces.

No.	Description	No.	Description
1	Video and Coaxial Audio 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 Model

PAR336-8, PAR336-16