

## AR336-4A

### TURBO ACUSENSE DVR

#### Key Feature

- Deep learning-based motion detection 2.0 for all analog channels
- Deep learning-based perimeter protection
- H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 video compression
- HDTV/HD/CVI/AVBS/IP video inputs
- Audio via coaxial cable
- Up to 8-ch IP camera inputs (up to 8 MP)
- Up to 10 TB capacity per HDD



#### Compression and Recording

- H.265 Pro+ video compression improves encoding efficiency, and reduces data storage costs
- Recording at up to 8 MP resolution

#### Storage and Playback

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

#### Smart Function

- Deep learning-based motion detection, and perimeter protection (line crossing and intrusion detection)
- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras

#### Network & Ethernet Access

- Compatible with major Wi-Fi dongle products in the market
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Output bandwidth limit configurable

## Specification

Model	AR336-8/A	AR336-16/A
Motion Detection 2.0 <sup>1</sup>		
Human/Vehicle Analysis	Deep learning-based motion detection 2.0 is enabled by default for all analog channels, it can classify human and vehicle, and extremely reduce false alarms caused by objects like leaves and lights; Quick search by object or event type is supported;	
Perimeter Protection <sup>1</sup>		
Human/Vehicle Analysis	Up to 4-ch	
Recording		
Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	
Encoding resolution	Main stream: 8 MP@8 fps/5 MP@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) *: 8 MP@8 fps is only available for channel 1, 8 MP Lite is only available for channel 2 to channel 4.	
	Sub-stream: WD1/4CIF/CIF@25 fps (P)/30 fps (N)	
Video bit rate	32 Kbps to 10 Mbps	
Dual stream	Support	
Stream type	Video, Video & Audio	
Audio compression	G.711u	
Audio bit rate	64 Kbps	
Video and Audio		
IP video input <sup>2</sup>	2-ch (up to 6-ch) Enhanced IP mode on: 4-ch (up to 8-ch), each up to 4 Mbps	
	Up to 8 MP resolution	
	Support H.265+/H.265/H.264+/H.264 IP cameras	
Analog video input	4-ch	16-ch
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	
HDTVI input	8 MP@15 fps, 5 MP@20 fps, 3K@20 fps, 4 MP@30 fps, 4 MP@25 fps, 3 MP@18 fps, 1080p@30 fps, 1080p@25 fps, 720p@60 fps, 720p@50 fps, 720p@30 fps, 720p@25 fps	
AHD input	5 MP@20 fps, 4 MP@25 fps, 4 MP@30 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps	
HDCVI input	5 MP@20 fps, 4 MP@25 fps, 4 MP@30 fps, 1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps	
CVBS input	PAL/NTSC	
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	
VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
HDMI output	1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz,	

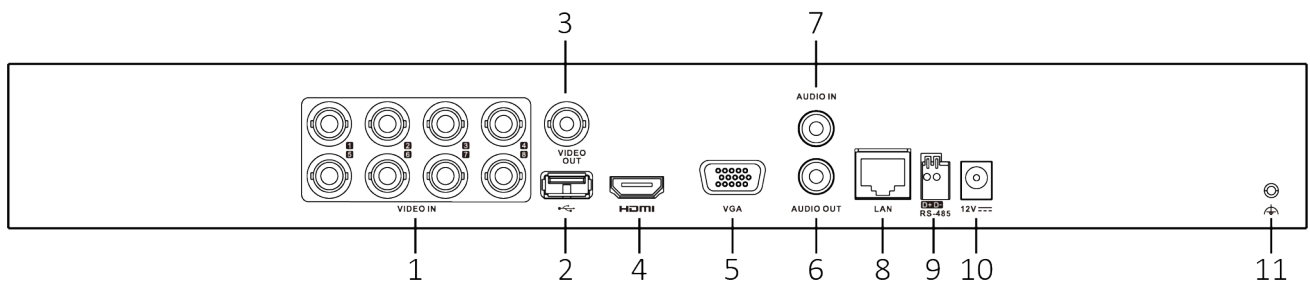
	1024 × 768/60Hz
<b>Video output mode</b>	HDMI/VGA simultaneous output
<b>Audio input<sup>3</sup></b>	1-ch, RCA (2.0 Vp-p, 1 KΩ)
	4-ch via coaxial cable
<b>Audio output</b>	1-ch, RCA (Linear, 1 KΩ)
<b>Two-way audio</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)
<b>Synchronous playback</b>	4-ch
<b>Network</b>	
<b>Remote connection</b>	32
<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 10/100/1000 Mbps self-adaptive Ethernet interface
<b>Wi-Fi</b>	Connectable to Wi-Fi network by Wi-Fi dongle through USB interface
<b>Auxiliary interface</b>	
<b>SATA</b>	1 SATA interfaces
<b>Capacity</b>	Up to 10 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<sup>3</sup></b>	N/A
<b>General</b>	
<b>Power supply</b>	12 VDC, 1.5A
<b>Consumption (without HDD)</b>	≤ 10W
<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>	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)
<b>Weight (without HDD)</b>	≤ 1.16 kg (2.6 lb)

**Note:**

1: Motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enable one function will make the other one unavailable.

2: Enhanced IP mode might be conflicted with smart events (motion detection 2.0 and perimeter protection) or other functions, please refer to the user manual for details.

3: The number of audio inputs and alarm in/out can be optional. The tag on the package will describe audio input and alarm in/out parameters. For example, “4A+8/4ALM” means your device has 4 audio inputs, 8 alarm inputs and 4 alarm outputs. If your device only has 1 audio input, the tag may not describe it.



## Physical Interface

No.	Description	No.	Description
1	VIDEO IN	7	AUDIO IN, RCA connector
2	USB interface	8	LAN network interface
3	VIDEO OUT	9	RS-485 serial interface
4	HDMI interface	10	12 VDC power input
5	VGA interface	11	GND
6	AUDIO OUT, RCA connector		