

AR324-4

TVI HD DVR



Features and Functions

Video Input and Transmission

- Self-adaptive HDTVI/HDCVI/AHD/CVBS signal input
- 1ch 4 MP IP cameras input
- Long distance transmission over UTP and coaxial cable: max. 800m for 1080p and 1200m for 720p HDTVI signal

Compression and Recording

- H.265+/H.265/H.264+/H.264 encoding for the main stream, and H.265/H.264 for the sub-stream of analog cameras
- Connectable to H.265+/H.265/H.264+/H.264 IP cameras
- H.265+ can be enabled to improve encoding efficiency and reduce data storage costs
- Up to 3 MP resolution for recording
- Support real-time 1080p lite and when enabled, the image effect is similar with 1080p

Video Output

- Simultaneous HDMI/VGA output
- HDMI output at up to 4K (3840 × 2160) resolution for AR324-16
- Separate CVBS output

Storage and Playback

- 1 SATA interfaces (up to 6 TB capacity per HDD)
- 4ch synchronous playback
- Smart search for efficient playback
- Support 3rd party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

Smart Function

- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- AR324-4 support 2-ch line crossing detection and intrusion detection
- VQD (Video Quality Diagnostics)
- Support PTZ control via Omnicast VMS of Genetec protocol

Network & Ethernet Access

- GuardingVision & DDNS (Dynamic Domain Name System) for easy network management
- 1 RJ45 10M/100M Ethernet network interface for AR324-4
- Output bandwidth limit configurable

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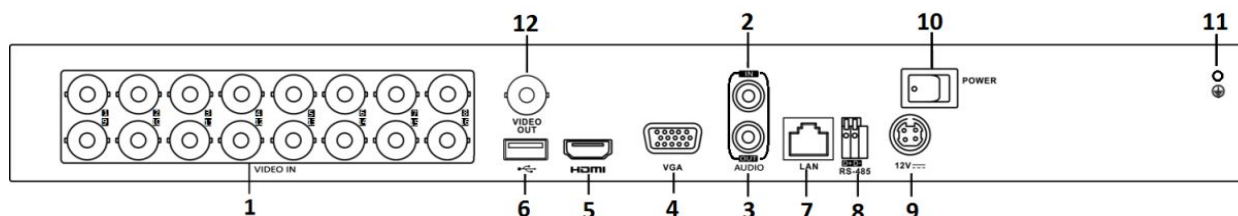
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Model	AR324-4	
Video/Audio input	Video compression	H.265+/H.265/H.264+/H.264
	Analog video input	4-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
	HDTVI input	3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 Note: The 3 MP signal input is only available for channel 1 of AR324-4,
	AHD input	1080p25, 1080p30, 720p25, 720p30
	HDCVI input	1080p25, 1080p30, 720p25, 720p30
	CVBS input	PAL/NTSC
	IP video input	1-ch Up to 4 MP resolution Supports H.265+/H.265/H.264+/H.264 IP cameras
	Audio compression	G.711u
	Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)
	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Video/Audio output	HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	Encoding resolution	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 3 MP/1080p lite/720p lite/VGA/WD1/4CIF/CIF
	Frame rate	Main stream: When 1080p Lite mode not enabled: For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15fps For 1080p stream access: 1080p/720p@15fps; 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@15fps 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF@12fps; CIF@25fps (P)/30fps (N)
	Video bit rate	32 Kbps to 6 Mbps
	Audio output	1-ch, RCA (Linear, 1 KΩ)
	Audio bit rate	64 Kbps
	Dual stream	Support
	Stream type	Video, Video & Audio
	Synchronous playback	4-ch
	Network management	Remote connections
Network protocols		TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF
Hard disk	SATA	1 SATA interfaces
	Capacity	Up to 6 TB capacity for each disk
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 1 st audio input)
	Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface
	USB interface	2 × USB 2.0
	Serial interface	RS-485 (half-duplex)
General	Power supply	12 VDC
	Consumption (without HDD)	≤ 6 W
	Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)
	Working humidity	10% to 90%
	Dimensions (W × D × H)	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)
	Weight (without HDD)	≤ 1.16 kg (2.6 lb)

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Physical Interfaces



NOTE The rear panel of AR324-4/324-8 provides 4/8 video input interfaces.

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

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