

# AR524-24, AR524-32 TVI HD DVR



## Features and Functions

### Appearance Design

- Typical chassis design to guarantee low noise and environmental protection of the device
- Front slot insert of DVD-R/W for more convenient installation and maintenance

### Video Input and Transmission

- Self-adaptive HDTVI, AHD, HDCVI and analog cameras
- Up to 32 2MP IP cameras input for AR524-24/32
- Long distance transmission over UTP and coaxial cable

### 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
- Full channel recording at up to 2 MP resolution
- Supports POS triggered recording and POS information overlay

### Video Output

- Simultaneous HDMI1 and VGA output at up to 1920 × 1080 resolution, and independent HDMI 2 output at up to 4K (3840 × 2160) resolution
- Separate CVBS output

### Storage and Playback

- Four SATA interfaces (up to 6TB capacity per HDD)
- Hot-swappable HDD supporting RAID0, RAID1, RAID5, RAID 6 and RAID10 storage scheme
- 16-ch synchronous playback
- Smart search for efficient playback
- Supports playback by main stream, or sub-stream for IP cameras
- Supports the 3<sup>rd</sup> party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

### Smart Function

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Supports line crossing detection and intrusion detection of all channels and sudden scene change detection of 2-ch analog cameras
- Supports people counting and heat map functions for 1-ch analog camera
- VQD (Video Quality Diagnostics)
- Supports PTZ control via Omnicast VMS of Genetec protocol

### Network & Ethernet Access

- Guarding Vision & DDNS (Dynamic Domain Name System) for easy network management
- One gigabit Ethernet network interfaces
- Output bandwidth limit configurable

## Specifications

Model	AR524-24		AR524-32	
Video/Audio input	<b>Video compression</b>	H.265+/H.265/H.264+/H.264		
	<b>Analog video input</b>	24-ch	32-ch	
	<b>HDTVI input</b>	BNC interface (1.0Vp-p, 75 Ω), supporting coaxitron connection		
	<b>AHD input</b>	1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60		
	<b>AHD input</b>	720p25, 720p30, 1080p25, 1080p30		
	<b>HDCVI input</b>	720p25, 720p30, 1080p25, 1080p30		
	<b>CVBS input</b>	Support		
	<b>IP video input</b>	8-ch (up to 32-ch)	8-ch (up to 40-ch)	
	<b>IP video input</b>	Up to 2 MP resolution		
	<b>IP video input</b>	Supports H.265+/H.265/H.264+/H.264 IP cameras		
Video/Audio input	<b>Network bandwidth</b>	200 Mbps	260 Mbps	
	<b>Audio compression</b>	G.711u		
Video/Audio output	<b>Audio input</b>	4-ch, RCA (2.0 Vp-p, 1 KΩ)		
	<b>CVBS output</b>	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		
	<b>HDMI1/VGA output</b>	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
	<b>HDMI2 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>Encoding resolution</b>	1080p/720p/WD1/4CIF/VGA/CIF		
	<b>Frame rate</b>	Main stream: 1080p/720p/WD1/4CIF/VGA/CIF@25fps(P)/15fps(N) Sub-stream: WD1/4CIF/CIF@25fps(P)/30fps(N)		
	<b>Video bit rate</b>	32 Kbps to 10 Mbps		
	<b>Audio output</b>	2-ch, RCA (Linear, 1 KΩ)		
	<b>Audio bit rate</b>	64 Kbps		
	<b>Dual stream</b>	Support		
Video/Audio output	<b>Stream type</b>	Video, Video & Audio		
	<b>Synchronous playback</b>	16-ch	16-ch	
Network management	<b>Remote connections</b>	128		
	<b>Network protocols</b>	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF, SNMP		
Hard disk	<b>SATA</b>	4 SATA interfaces		
	<b>eSATA</b>	Support		
	<b>Capacity</b>	Up to 6TB capacity for each disk		
Disk array	<b>Array type</b>	RAID0, RAID1, RAID5, RAID6, RAID10		
External interface	<b>Two-way audio input</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ) (independent)		
	<b>Network interface</b>	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface		
	<b>USB interface</b>	Front panel: 2 ×USB 2.0 Rear panel: 1 ×USB 3.0		
	<b>Serial interface</b>	RS-232, RS-485 (full-duplex), Keyboard		
	<b>Alarm in/out</b>	16/4		
General	<b>Power supply</b>	100 to 240 VAC		
	<b>Consumption (without HDD)</b>	≤ 74 W	≤ 74 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>	445 × 390 × 70 mm (17.5 × 15.4 × 2.8 inch)		
	<b>Weight (without HDD)</b>	≤ 7 kg (15.4 lb)		