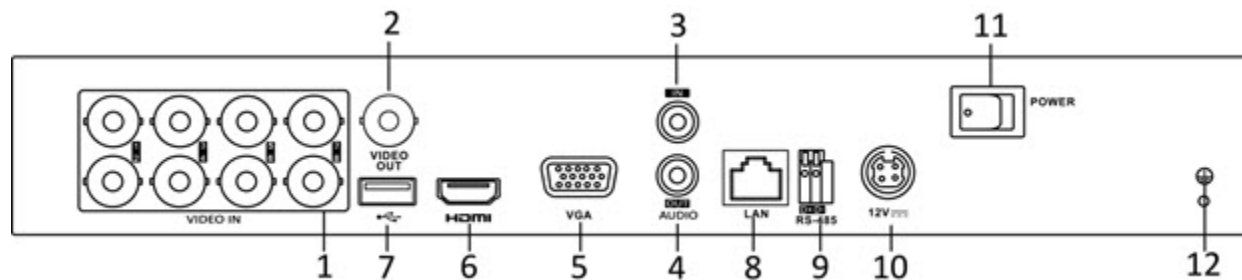


# TVR-AR314 Series

## Recorders for TVI, AHD, IP and Analog

### Key Features:

- Compatible with HD-TVI, AHD, IP and analog cameras
- Supports HDCAM-C protocol for connecting cameras over coax
- H.264+ compatible for high video quality with low bitrates
- Simultaneous HDMI, VGA and CVBS outputs
- HDMI/VGA output at up to 1920 x 1080p resolution for TVR-AR314-4 and TVR-AR314-8; up to 4K (3840 x 2160) resolution for TVR-AR314-16
- One-key recording configurable
- Main stream and sub-stream parameters configurable for simultaneous recording
- Supports channel-zero encoding
- Supports 1080p lite mode for real-time 1080p lite and 720p lite resolution
- Instant playback for assigned cameras during multi-channel live view mode
- Up to 4/8/16-ch synchronous playback at 1080p resolution
- Playback at up to 256X speed
- Main stream and sub-stream selectable for local/remote playback
- Playback by smart search and VCA search
- Customization of tags, searching and playing back by tags
- Manual video quality diagnostics
- Supports locking and unlocking of video files
- HDD quota and group management; different capacity can be assigned to different cameras under quota mode
- One SATA interface provided for TVR-AR314-4 / TVR-AR314-8; two SATA interfaces provided for TVR-AR314-16
- One RJ45 10M/100Mbps self-adaptive network interface for TVR-AR314-4 / TVR-AR314-8 and one RJ45 10M/100M/1000Mbps self-adaptive network interface for the TVR-AR314-16
- Supports access via Cloud P2P
- Supports SIMPLE DDNS (Dynamic Domain Name System)



- |                      |                            |
|----------------------|----------------------------|
| 1. Video Inputs      | 7. USB Interface           |
| 2. Video Output      | 8. LAN Network Interface   |
| 3. Audio Input, RCA  | 9. RS-485 Serial Interface |
| 4. Audio Output, RCA | 10. 12VDC Power Input      |
| 5. VGA Interface     | 11. Power Switch           |
| 6. HDMI Interface    | 12. Ground                 |

\* TVR-AR314-8 Eight input recorder shown above. Rear panel of 4 and 16 input unit provide 4 and 16 individual video inputs respectively.

### Ordering Information:

- |              |   |
|--------------|---|
| TVR-AR314-4  | 4 Channel recorder for TVI, AHD, IP and Analog  |
| TVR-AR314-8  | 8 Channel recorder for TVI, AHD, IP and Analog  |
| TVR-AR314-16 | 16 Channel recorder for TVI, AHD, IP and Analog |

# TVR-AR314 Series

## Recorders for TVI, AHD, IP and Analog

Model		TVR-AR314-4	TVR-AR314-8	TVR-AR314-16	
Video/Audio input	Video compression	H.264			
	Video input	4-ch	8-ch	16-ch	
		BNC interface (1.0Vp-p, 75 Ω), supporting coaxitron connection			
	Supported HDTV input	1080p/25Hz, 1080p/30Hz, 720p/25Hz, 720p/30Hz, 720P/50Hz, 720p/60Hz			
	Supported AHD input	720p/25Hz, 720p/30Hz			
	CVBS input	Supported			
	IP video input	1-ch	2-ch	2-ch	
		Up to 2.0 MP resolution			
Audio compression	G.711u				
Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)				
Video/Audio output	CVBS output	Supported			
	HDMI/VGA output	1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60Hz, 1024 × 768/60 Hz		1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60Hz, 1024 × 768/60 Hz	
	Encoding resolution	When 1080p Lite mode not enabled: 1080p(non-real-time)/720p/VGA/WD1/4CIF/CIF;			
		When 1080p Lite mode enabled: 1080p lite/720p lite/VGA/WD1/4CIF/CIF			
	Frame rate	Main stream: 1/16 fps to real time frame rate			
		Sub-stream: WD1/4CIF@12fps/2CIF (non-real-time); CIF/QVGA/QCIF (real time)			
	Video bit rate	32 Kbps to 6 Mbps			
	Audio output	1-ch, RCA (Linear, 1 KΩ)			
	Audio bit rate	64 Kbps			
	Dual-stream	Supported			
Stream type	Video, Video & Audio				
Synchronous playback	4-ch	8-ch	16-ch		
Network management	Remote connections	128			
	Network protocols	TCP/IP, PPPoE, DHCP, EZVIZ Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF			
Hard disk	SATA	1 SATA interface		2 SATA interfaces	
	Capacity	Up to 6TB capacity			
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)			
	Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface		1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	
	USB interface	2 × USB 2.0			1 USB 2.0 on the front panel
					1 USB 3.0 on the rear panel
Serial interface	1; RS-485 serial interface, half-duplex				
General	Power supply	12 VDC			
	Consumption (without HDD)	< 15 W	< 20 W	< 30 W	
	Working temperature	-10°C to +55°C (14°F to 131°F)			
	Working humidity	10% to 90%			
	Dimensions (W x D x H)	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)			
Weight (without HDD)	< 2 kg (4.4lb)	< 2 kg (4.4lb)	< 2 kg (4.4lb)		

North American Cable Equipment Inc.

(800) 688-9282 email: sales@northamericancable.com www.northamericancable.com