

AR515 SERIES

Features and Functions



Appearance Design

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

Video Input and Transmission

- Connectable to HD-TVI, AHD, HD-CVI and analog cameras
- Up to 6/10/18-ch 8MP IP cameras input for AR515-4, AR515-8, and AR515-16
- Long distance transmission over UTP and coaxial cable

Compression and Recording

- One-key enable H.264+ compression to improve encoding efficiency by up to 50% and reduces data storage costs
- Full channel recording at up to 3MP 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
- Independent CVBS output improves compatibility and serves as the auxiliary output or live view output only

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
- 4/8/16-ch synchronous playback
- Smart search for efficient playback
- Supports playback by main stream, or sub-stream for IP cameras
- Supports 3rd 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
- Supports people counting and heat map functions for 1-ch analog camera
- VQD (Video Quality Diagnostics)
- Unlock pattern for device login for the *admin* and clear-text password available
- GUID file can be exported for password resetting and imported for finding the forgotten password

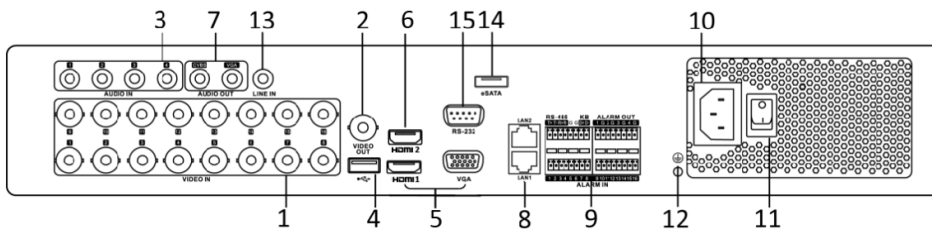
Network & Ethernet Access

- Cloud P2P for easy network management
- Two gigabit Ethernet network interfaces
- Output bandwidth limit configurable

Specifications

Model		AR515-4	AR515-8	AR515-16	
Video/Audio input	Video compression	H.264+/H.264			
	Analog video input	4-ch	8-ch	16-ch	
	HDTVI input	BNC interface (1.0Vp-p, 75 Ω), supporting coaxitron connection			
	AHD input	3MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60			
	AHD input	720p25, 720p30, 1080p25, 1080p30			
	HDCVI input	720p25, 720p30, 1080p25, 1080p30			
	CVBS input	Support			
	IP video input		2-ch (up to 6-ch)	2-ch (up to 10-ch)	2-ch (up to 18-ch)
			Up to 8 MP resolution H.265/H.264+/H.264		
	Network bandwidth	200 Mbps		260 Mbps	
Audio compression	G.711u				
Audio input	4-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	HDMI1/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz			
	HDMI2 output	1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz			
	Encoding resolution	3MP/1080p/720p/WD1/4CIF/VGA/CIF			
	Frame rate	Main stream: 3MP@15fps; 1080p/720p/WD1/4CIF/VGA/CIF@25fps(P)/30fps(N)			
		Sub-stream: WD1/4CIF@12fps; CIF/QVGA/QCIF@25fps(P)/30fps(N)			
	Video bit rate	32 Kbps to 10 Mbps			
	Audio output	2-ch, RCA (Linear, 1 KΩ)			
	Audio bit rate	64 Kbps			
	Dualstream	Support			
	Stream type	Video, Video & Audio			
Synchronous playback	4-ch	8-ch	16-ch		
Network management	Remote connections	128			
	Network protocols	TCP/IP, PPPoE, DHCP, Hik Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF, SNMP			
Hard disk	SATA	4 SATA interfaces			
	eSATA	Support			
	Capacity	Up to 6 TB capacity for each disk			
Disk array	Array type	RAID0, RAID1, RAID5, RAID6, RAID10			
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (independent)			
	Network interface	2, RJ45 10M/100M/1000Mself-adaptive Ethernet interface			
	USB interface	Front panel: 2 ×USB 2.0			
		Rear panel: 1 ×USB 3.0			
	Serial interface	RS-232, RS-485 (full-duplex), Keyboard			
Alarm in/out	16/4				
General	Power supply	100 to 240 VAC			
	Consumption (without HDD)	≤ 35 W	≤ 45 W	≤ 65 W	
	Working temperature	-10 °C to +55 °C(14 °F to 131 °F)			
	Working humidity	10% to 90%			
	Dimensions (W × D × H)	445 × 390 × 70 mm (17.5 × 15.4 × 2.8 inch)			
	Weight (without HDD)	≤ 5 kg (11.0 lb)			

Physical Interfaces



NOTE

The rear panel of AR515-4 and AR515-8 provides 4/8 video input interfaces.

Index	Description	Index	Description
1	VIDEO IN	9	RS-485 Serial Interface, Keyboard Interface, ALARM IN and ALARM OUT
2	VIDEO OUT	10	100 to 240VAC Power Input
3	AUDIO IN, RCA Connector	11	Power Switch
4	USB Interface	12	GND
5	HDMI1/VGA Interface	13	LINE IN
6	HDMI2 Interface	14	eSATA Interface
7	CVBS AUDIO OUT and VGA AUDIO OUT	15	RS-232 Serial Interface
8	LAN1 and LAN2 Network Interfaces		

Available Models

AR515-4, AR515-8, AR515-16