

AR515-16

16 Channel 1.5U 4HDD TVI Tribrid DVR



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 for more convenient installation and maintenance

Video Input and Transmission

- Connectable to HDTVI, AHD, HDCVI and analog cameras
- Up to 18-ch 8 MP IP cameras input for 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 3 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
- Independent CVBS output improves compatibility at the most possibility and serves as the aux output or live view output only

Storage and Playback

- Four SATA interfaces (up to 6 TB capacity per HDD)
- Hot-swappable HDD supporting RAID 0, RAID 1, RAID 5, RAID 6 and RAID 10 storage scheme
- 16-ch synchronous playback
- Smart search for efficient playback
- Supports playback by main stream, or sub-stream for IP cameras
- Supports the 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

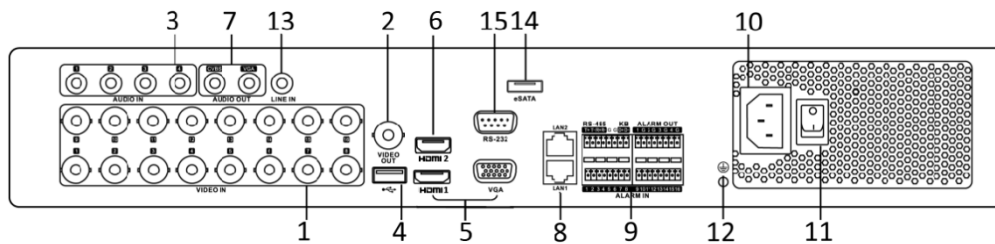
Specifications

Model			
Video/Audio input	Video compression	H.264+/H.264	
	Analog video input	16-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	
	HDTVI input	3 MP, 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 18-ch)	
		Up to 8 MP resolution H.265/H.264+/H.264	
	Network bandwidth	260 Mbps	
	Audio compression	G.711u	
	Audio input	4-ch, RCA (2.0 Vp-p, 1 KΩ)	
Video/Audio output	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480	
	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	3 MP/1080p/720p/WD1/4CIF/VGA/CIF	
	Frame rate	Main stream: 3 MP@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	
	Dual stream	Support	
	Stream type	Video, Video & Audio	
Synchronous playback	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	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (independent)	
	Network interface	2, RJ45 10M/100M/1000M self-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	
General	Alarm in/out	16/4	
	Power supply	100 to 240 VAC	
	Consumption (without HDD)	≤ 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)	

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Physical 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 240 VAC 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		

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Design and specifications are subject to change without notice