

AR515-8

8 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 HDTV, AHD, HDCVI and analog cameras
- Up to 10-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
- 8-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

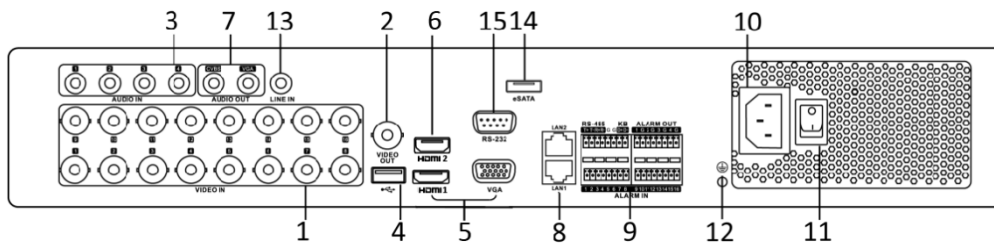
Specifications

| Model | | | |
|-----------------------------|----------------------------------|---|---|
| Video/Audio input | Video compression | H.264+/H.264 | |
| | Analog video input | 8-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 10-ch) Up to 8 MP resolution H.265/H.264+/H.264 | |
| | Network bandwidth | 200 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 | | 8-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 | |
| | Alarm in/out | 16/4 | |
| General | Power supply | 100 to 240 VAC | |
| | Consumption (without HDD) | ≤ 45 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



The rear panel of the AR515-8 provides 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 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 | | |

Winic Technologies USA Inc.

42 Central Avenue, Farmingdale, New York 11735

Tel: +631-396-0800

Fax: +631-396-0805

Email: sales@winictech.com

www.winictech.com

Design and specifications are subject to change without notice