



## Technical Specification

### System

|                  |                    |
|------------------|--------------------|
| Main Processor   | Embedded Processor |
| Operating System | Embedded LINUX     |

### Video and Audio

|                     |   |
|---------------------|---|
| Analog Camera Input | 32 Channel, BNC                                   |
| HDCVI Camera        | 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps |
| AHD Camera          | 4MP, 1080P@25/30, 720P@25/30fps                   |
| TVI Camera          | 4MP, 1080P@25/30, 720P@25/30fps                   |
| CVBS Camera         | PAL/NTSC  |
| IP Camera Input     | 32 Channel, each channel up to 5MP                |
| Audio In/Out        | 1/1, RCA  |
| Two-way Talk        | Reuse audio in/out, RCA                           |

### Recording

|                 |   |
|-----------------|---|
| Compression     | H.264+/H.264  |
| Resolution      | 4M-N, 1080P, 1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF  |
| Record Rate     | Main stream: 4M-N/1080P(1~15fps); 1080N/720P/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps)<br>Sub stream: D1/CIF/QCIF(1~15fps) |
| Bit Rate        | 1Kbps ~ 6144Kbps Per Channel  |
| Record Mode     | Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop      |
| Record Interval | 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec   |

### Display

|                      |  |
|----------------------|--|
| Interface            | 1 HDMI, 1 VGA, 1 TV  |
| Resolution           | 1920x1080, 1280x1024, 1280x720, 1024x768                                 |
| Multi-screen Display | 1/4/8/9/16/25/36   |
| OSD                  | Camera title, Time, Video loss, Camera lock, Motion detection, Recording |

### Network

|                  |   |
|------------------|---|
| Interface        | 1 RJ-45 Port (1000M)  |
| Network Function | HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, P2P, IP Search (Support RETRO DAHUA IP camera, DVR, NVS, etc.) |
| Max. User Access | 128 users   |
| Smart Phone      | iPhone, iPad, Android   |
| Interoperability | ONVIF 2.42, CGI Conformant  |

### Video Detection and Alarm

|                 |  |
|-----------------|--|
| Trigger Events  | Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips |
| Video Detection | Motion Detection, MD Zones: 396 (22 x 18), Video Loss, Tampering and Diagnosis |
| Alarm input     | N/A  |
| Relay Output    | N/A  |

### Playback and Backup

|                   |   |
|-------------------|---|
| Playback          | 1/4/9/16  |
| Search Mode       | Time /Date, Alarm, MD and Exact Search (accurate to second)   |
| Playback Function | Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom |
| Backup Mode       | USB Device/Network  |

### Storage

|              |                                 |
|--------------|---------------------------------|
| Internal HDD | 2 SATA Port, up to 8TB capacity |
| eSATA        | N/A                             |

### Auxiliary Interface

|       |                         |
|-------|-------------------------|
| USB   | 1 USB 2.0 , 1 USB 3.0   |
| RS232 | N/A                     |
| RS485 | 1 Port, for PTZ Control |

### Electrical

|                   |                    |
|-------------------|--------------------|
| Power Supply      | DC12V/5A           |
| Power Consumption | <20W (Without HDD) |

### Construction

|              |   |
|--------------|---|
| Dimensions   | 1U, 375mmx287mmx53mm (14.8" x 11.3" x 2.1") |
| Net Weight   | 2.35kg (5.2 lb) (without HDD)               |
| Gross Weight | 3.2kg (7.05lb)                              |
| Installation | Desktop installation                        |

### Environmental

|                      |   |
|----------------------|---|
| Operating Conditions | -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH |
| Storage Conditions   | -20°C ~ +70°C (-4°F ~ +158°F) , 0~ 90% RH |

### Third-party Support

|                     |   |
|---------------------|---|
| Third-party Support | RETRO DAHUA, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more |
|---------------------|---|

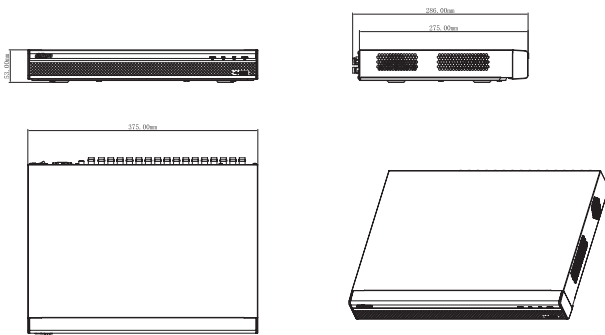
### Certifications

|                |  |
|----------------|--|
| Certifications | FCC: Part 15 Subpart B   |
|                | CE: CE-LVD: EN 60950-1/IEC 60950-1<br>CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024 |
|                | UL: UL 60950-1   |

**Ordering Information**

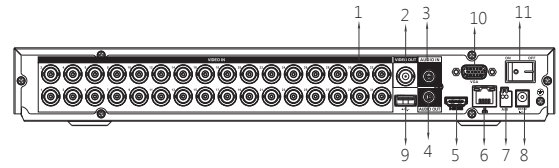
| Type           | Part Number | Description   |
|----------------|-------------|---|
| 32 Channel XVR | RD-5232XVR  | 32 Channel Penta-brid 1080P 1U Digital Video Recorder |

**Dimensions (mm)**



**Rear Panel**

RD-5232XVR



- |   |                          |    |                    |
|---|--------------------------|----|--------------------|
| 1 | VIDEO IN                 | 7  | RS485 Interface    |
| 2 | VIDEO OUT                | 8  | DC 12V Power Input |
| 3 | AUDIO IN, RCA Connector  | 9  | USB Interface      |
| 4 | AUDIO OUT, RCA Connector | 10 | VGA Interface      |
| 5 | HDMI Interface           | 11 | Power Switch       |
| 6 | Network Interface        |    |                    |