



## TC-R3232 Spec:I/B/K/V3.1

2HDD 32ch NVR

Lite Series



### KEY FEATURES

- Up to 32-ch IP camera accesses
- Incoming/Outgoing bandwidth: 160Mbps/48Mbps
- S+265, H.265, S+264, H.264 video formats
- Max. decoding capability: 8MP(30fps) × 2 or 1080P(30fps) × 8
- Up to 16 channels-ch synchronous playback
- Up to 10 TB capacity for each HDD
- Simultaneous HDMI and VGA outputs
- HDMI output at up to 4K resolution
- 1 × RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port
- S+ 265 compression effectively reduces the storage space by up to 75%
- Support cloud upgrade

## SPECIFICATIONS

| Video and Audio              |                                                                                                                                                                                                                      |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Access Channel               | 32                                                                                                                                                                                                                   |
| Incoming Bandwidth           | 160Mbps                                                                                                                                                                                                              |
| Outgoing Bandwidth           | 48Mbps                                                                                                                                                                                                               |
| Resolution                   | 8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF                                                                                                                                                      |
| Preview Decoding Capability  | 8MP(30fps)×2, 6MP(30fps)×2, 5MP(30fps)×3, 4MP(30fps)×4, 3MP(30fps)×5, 1080P(30fps)×8, 720P(30fps)×16, 4CIF(30fps)×32; *: The length or width of camera resolution (each track) cannot exceed 4096 pixels.            |
| Playback Decoding Capability | 8MP(30fps)×2, 6MP(30fps)×2, 5MP(30fps)×3, 4MP(30fps)×4, 3MP(30fps)×5, 1080P(30fps)×8, 720P(30fps)×16                                                                                                                 |
| Third-party Camera Access    | ONVIF(Profile S/T); RTSP                                                                                                                                                                                             |
| HDMI Output                  | HDMI: 1024×768(60Hz), (720P)1280×720(50Hz/60Hz), 1280×800(60Hz), 1440×900(60Hz), (1080P)1920×1080(50Hz/60Hz), (2K)2560×1440(30Hz), (4K)3840×2160(30Hz)                                                               |
| VGA Output                   | VGA: 1024×768(60Hz), (720P)1280×720(50Hz/60Hz), 1280×800(60Hz), 1440×900(60Hz), (1080P)1920×1080(50Hz/60Hz)                                                                                                          |
| Multi-screen Display         | Simultaneous Output:<br>VGA: 1/2A/2B/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36<br>HDMI: 1/2A/2B/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36                                                                          |
| Audio Input                  | 1-ch, 3.5mm                                                                                                                                                                                                          |
| Audio Output                 | 1-ch, RCA (Linear, 1 KΩ)                                                                                                                                                                                             |
| Two-Way Audio                | 1-ch, 3.5mm, using the audio input                                                                                                                                                                                   |
| Compression Standard         |                                                                                                                                                                                                                      |
| Video                        | S+265; H.265; S+264; H.264                                                                                                                                                                                           |
| Audio                        | G711A; G711U; AAC; ADPCM_DIV4                                                                                                                                                                                        |
| Stream Type                  | Video; Video & Audio                                                                                                                                                                                                 |
| Network                      |                                                                                                                                                                                                                      |
| Network Protocol             | 802.1X; ARP; DDNS; DHCP; DNS; Easy DDNS; FTP; HTTP; HTTPS; ICMP; IGMP; IPv4; IPv6; Multicast; NFS; NTP; PPPoE; QoS; RTCP; RTP; RTSP; SMB/CIFS; SMTP; SNMP v1/v2/v3; SRTP; SSH; SSL; TLSv1.2; TCP; UDP; Unicast; UPnP |
| Mobile Phone Access          | Android; iOS; P2P                                                                                                                                                                                                    |
| System Compatibility         | ONVIF(Profile S/T/G); RTSP; CGI; SDK; P2P                                                                                                                                                                            |
| Browser                      | IE10+; Firefox52+; Edge89+; Safari11+; Chrome57+                                                                                                                                                                     |
| Recording Playback           |                                                                                                                                                                                                                      |
| Multi-channel Playback       | Up to 16 channels                                                                                                                                                                                                    |
| Record Mode                  | Manual Recording; Alarm Recording; Schedule Recording                                                                                                                                                                |
| Storage Method               | Local HDD                                                                                                                                                                                                            |
| Backup                       | USB storage device, Network                                                                                                                                                                                          |
| Playback Function            | Play/Pause/Stop/Reverse/Slow/Speed/Backwards 30s/Forwards 30s/Full Screen/Backup (Video Editing)/Step/Digital Zoom/Instant Replay                                                                                    |
| Alarm                        |                                                                                                                                                                                                                      |
| General Alarm                | Motion Detection; Mask Alarm; Alarm Input(IPC); Alarm Input(NVR)                                                                                                                                                     |

|                  |                                                                                                                                                                                                                                                                                                      |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Exceptions Alarm | Video Loss; Network Disconnected; No Disk; Illegal Access; Disk group space alert; Disk Full; Disk R/W Error; Recording Abnormal; Abnormal found in smart of disk; Abnormal temperature of the disk; Hot-spare Exception; Voltage Alarm(IPC); RTC Failure; IP Address Conflict; MAC Address Conflict |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Intelligent Analytics

|              |                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AI by Camera | Tripwire; Double Tripwire; Perimeter; Object Abandon; Object Missing; Running; Parking; Heatmap; Loitering; Video Abnormal; Audio Abnormal; On Duty Detection; Crowd Detection; Electric Bicycle Detection; People Counting; Link to Tracking; Smoke and Fire Detection; Environmental Temperature Measurement; Face Detection; Human Body Temperature Measurement; Smart Alarm; Human/Vehicle Classification |
| VCA Search   | Heatmap; Early-warning Search; Behavior Search; Thermographic Retrieval; Duty Search; Electric Bicycle Retrieval; Face Search                                                                                                                                                                                                                                                                                 |

## Face Detection

|                 |                                             |
|-----------------|---------------------------------------------|
| Face Attributes | Gender; Age; Glasses; Face Mask; Body Temp. |
|-----------------|---------------------------------------------|

## Storage

|              |                                   |
|--------------|-----------------------------------|
| HDD Capacity | Up to 10 TB capacity for each HDD |
| Disk Group   | 2 Disk Group                      |

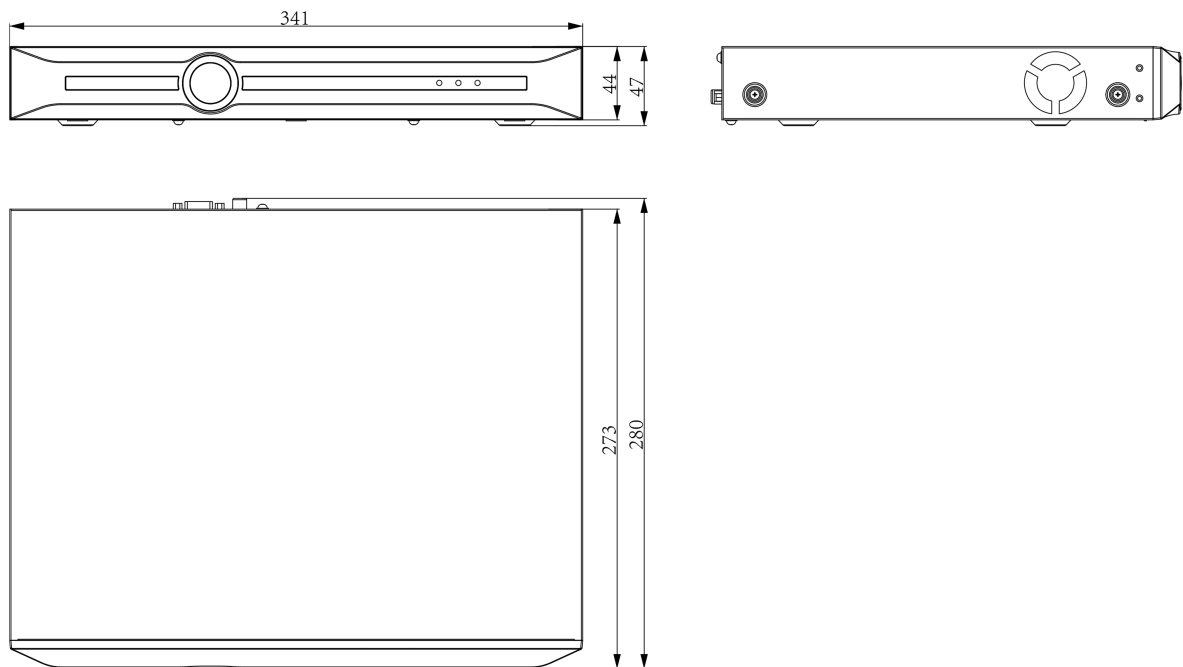
## External Port

|                   |                                                              |
|-------------------|--------------------------------------------------------------|
| USB               | 2×USB2.0                                                     |
| HDMI              | 1×HDMI(supports up to 4K resolution output)                  |
| VGA               | 1×VGA                                                        |
| Network Interface | 1×RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port        |
| SATA              | 2×SATA interface                                             |
| Alarm I/O         | 4-ch, TTL inputs, 3mA, 3.3VDC; 1-ch, relay output, 1A, 24VDC |

## General

|                       |                                                                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UI Language           | Simple Chinese; Traditional Chinese; English; Spanish; Korean; Italian; Turkish; Russian; Thai; French; Polish; Dutch; Hebrew; Arabic; Vietnamese; German; Ukrainian; Portuguese; Albanian; Indonesian; Greek |
| Power Supply          | DC12V                                                                                                                                                                                                         |
| Power Consumption     | <10W(HDD not included, idling)                                                                                                                                                                                |
| NetWeight             | 1.6 kg                                                                                                                                                                                                        |
| GrossWeight           | 3kg                                                                                                                                                                                                           |
| Boundary Dimensions   | 341(L)273(W)47(H)mm                                                                                                                                                                                           |
| Package Dimensions    | 415(L)140(W)375(H)mm                                                                                                                                                                                          |
| Operating Temperature | -10°C~+55°C (+14°F~+131°F)                                                                                                                                                                                    |
| Operating Humidity    | 10%~90%RH (non-condensing)                                                                                                                                                                                    |
| Storage Temperature   | -20°C~+60°C (-4°F~+140°F)                                                                                                                                                                                     |
| Package Kit           | Network Video Recorder×1; Screw Pack×1; Mouse×1; Power Adapter(DC12V 3.33A)×1; European Standard Power Cord×1; Instructions×1; Parts List×1                                                                   |

## DIMENSIONS (Unit: mm)



## Physical Interfaces

