



TC-R3220 Spec:I/B/K/V3.1

2HDD 20ch NVR

Lite Series



KEY FEATURES

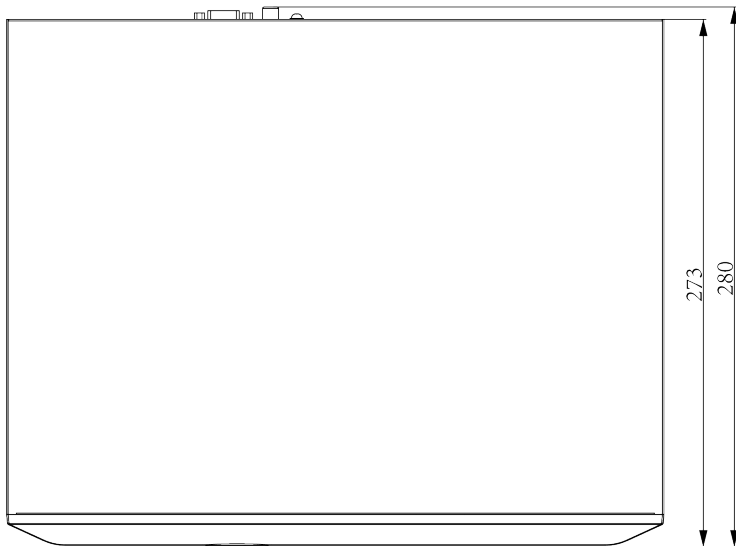
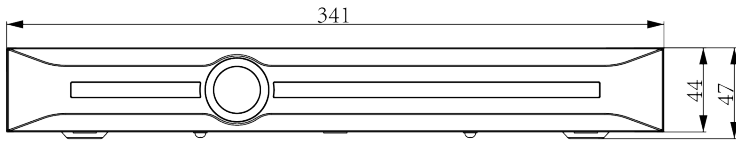
- Up to 20-ch IP camera accesses
- Incoming/Outgoing bandwidth: 160Mbps/64Mbps
- S+265, H.265, S+264, H.264 video formats
- Max. decoding capability: 8MP(30fps) × 2 or 1080P(30fps) × 8
- 16-ch synchronous playback
- Up to 10 TB capacity for each HDD
- Simultaneous HDMI and VGA outputs
- HDMI output at 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 | 20 |
| Incoming Bandwidth | 160Mbps |
| Outgoing Bandwidth | 64Mbps |
| 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)×20; *: 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; 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: VGA: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/20C/20D/25 HDMI: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/20C/20D/25 |
| 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 | |
| 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; RTCP; RTP; RTSP; SMB/CIFS; SMTP; SNMP v1/v2/v3; SRTP; SSH; SSL; TLSv1.2; TCP/IP; UDP; Unicast; UPnP |
| Mobile Phone Access | Android; iOS; P2P |
| System Compatibility | ONVIF(Profile S/T/G); RTSP; CGI; SDK |
| Web | IE10+; Firefox52+; Edge89+; Safari11+; Chrome57+ |
| Record Playback | |
| Multi-channel Playback | 16 |
| Record Mode | Manual Recording; Alarm Recording; Schedule Recording |
| Storage Method | Local HDD |
| Backup | USB storage device, Network |
| Playback Function | Play/Pause/Stop/Slow/Speed/Backwards 30s/Forwards 30s/Full Screen/Backup (Video Editing)/Step/Digital Zoom |
| Dual Stream Record | Yes |
| Alarm | |
| General Alarm | Motion Detection; Mask Alarm; Alarm Input(IPC); Alarm Input(NVR); Manual Alarm |

| | |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Exceptions Alarm | Video Loss; IP Conflict; MAC Conflict; 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 |
| Intelligent Analytics | |
| AI by Camera | Tripwire; Double Tripwire; Perimeter; Object Abandon; Object Missing; Loiter; Running; Parking; Heatmap; Video Abnormal; Audio Abnormal; On Duty Detection; Crowd Detection; Safety Helmet Detection; People Counting; Link to Tracking; Smoke and Fire Detection; Environmental Temperature Measurement; Face Detection; Human Body Temperature Measurement; Smart Motion; Human/Vehicle Classification |
| VCA Search | Heatmap; Early-warning Search; Behavior Search; Thermographic Retrieval; Duty Search; Face Search |
| Face Detection | |
| Face Attributes | Gender; Age |
| 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 |
| Power Supply | DC12V 3.3A |
| 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; Screw Pack; Mouse; Power Adapter; European Standard Power Cord |

DIMENSIONS (Unit: mm)



Physical Interfaces

