TC-R3840

KEY FEATURES

- Up to 40-ch IP camera inputs
- Access/forwarding bandwidth at 640Mbps/320Mbps
- S+265, H.265, S+264, H.264 video formats
- 16MP(30fps)×3, 12MP(30fps)×4, 8MP(30fps)×6, 6MP(30fps)×8, 5MP(30fps)×9, 4MP(30fps)×12, 3MP(30fps)×16, 1080P(30fps)×24 preview decoding capacity
- 16-ch synchronous playback
- 16MP(30fps)×3, 12MP(30fps)×4, 8MP(30fps)×6, 6MP(30fps)×8, 5MP(30fps)×9, 4MP(30fps)×12, 3MP(30fps)×16, 1080P(30fps)×16 playback decoding capacity

- Up to 18TB capacity for each HDD
- Simultaneous HDMI1 and VGA1 outputs; Simultaneous HDMI2 and VGA2 outputs
- HDMI output at up to 4K resolution
- 2×RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port
- S+ 265 compression effectively reduces the storage space by up to 75%
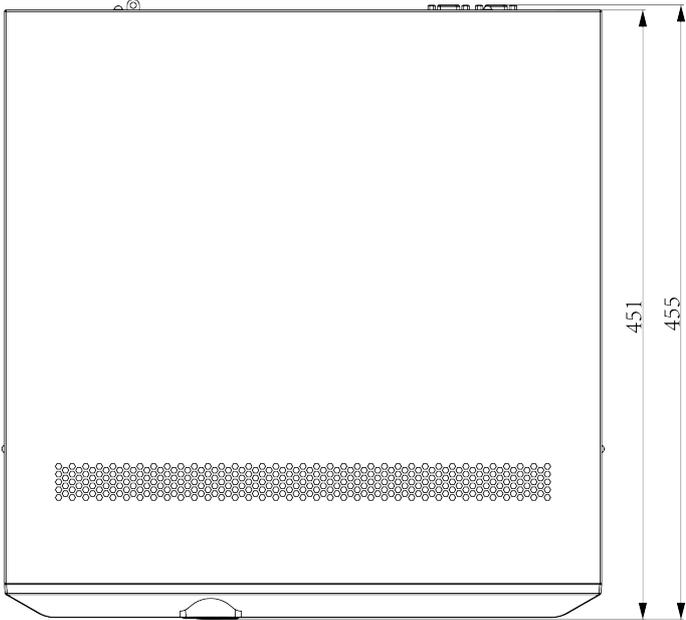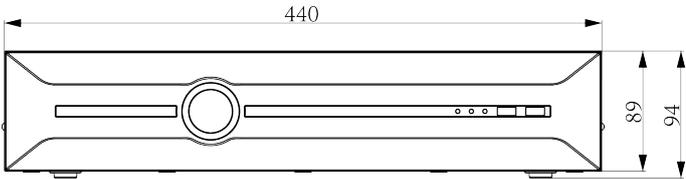- Support cloud upgrade

SPECIFICATIONS

Video and Audio	
Access Channel	40
Incoming Bandwidth	640Mbps
Outgoing Bandwidth	320Mbps
Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Preview Decoding Capability	16MP(30fps)×3, 12MP(30fps)×4, 8MP(30fps)×6, 6MP(30fps)×8, 5MP(30fps)×9, 4MP(30fps)×12, 3MP(30fps)×16, 1080P(30fps)×24, 720P(30fps)×40, 4CIF(30fps)×40
Third-party Camera Access	ONVIF; RTSP
HDMI Output	HDMI:800×600(60Hz), 1024×768(60Hz), 1280×720(50Hz/60Hz), 1280×800(60Hz), 1366×768(60Hz), 1440×900(60Hz), 1920×1080(50Hz/60Hz), 2560×1440(30Hz/60Hz), 2560×1600(60Hz), (4K)3840×2160(30Hz/60Hz)
Liveview display	Independent Output: HDMI1/VGA1: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40 HDMI2/VGA2: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40
VGA Output	VGA:800×600(60Hz), 1024×768(60Hz), 1280×720(50Hz/60Hz), 1280×800(60Hz), 1366×768(60Hz), 1440×900(60Hz), 1920×1080(50Hz/60Hz)
Multi-screen Display	1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40
Audio Input	1-ch, 3.5mm
Audio Output	1-ch, 3.5mm; BNC
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	ARP; DDNS; DHCP; DNS; Easy DDNS; FTP; HTTP; HTTPS; ICMP; IGMP; IPv4; IPv6; Multicast; NFS; NTP; PPPoE; RTCP; RTP; RTSP; SMB/CIFS; SMTP; SNMP; SRTP; SSH; SSL; TLSv1.2, TLSv1.3; TCP/IP; UDP; Unicast; UPnP
Mobile Phone Access	Android; iOS; P2P_A
System Compatibility	ONVIF(profile T/S/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, eSATA
Backup	USB storage device, eSATA, Network
Playback Function	Play/Pause/Stop/Slow/Speed/Backwards 30s/Forwards 30s/Full screen/backup (video Editing)/Step/Digital Zoom
Dual Stream Record	Dual Stream Record
Alarm	
General Alarm	Motion; Mask Alarm; Alarm Input(IPC); Video Loss; Alarm Input(NVR); Manual Alarm

Exceptions Alarm	IP Conflict; MAC Conflict; Network Disconnected; No disk; Illegal Access; Disk group space alert; Disk Full; Disk R/W error; Video Abnormal; Abnormal found in smart of disk; Abnormal temperature of the disk; Hot-spare Exception; Array Exception; IPC voltage abnormal; RTC failure

Intelligent Analytics

AI by Camera	Tripwire; Double Tripwire; Perimeter; Object Abandon; Object Missing; Loiter; Running; Parking; Heatmap; Lens Dignose; Scene Switch Dignose; Signal Abnormal Detection; Signal Loss Detection; Plate License Recognition; On Duty Detection; Crowd Detection; Parking guard; Safety Helmet Detection; Electric vehicle testing; People Counting; Link To Tracking; Fireworks detection; Environmental temperature measurement; Face Detection; Human body temperature measurement; Advanced Intelligence; Cooperate with facial recognition machine
VCA Search	Heatmap; Early-warning search; Behavior Search; Plate license search; Search safety helmet; Thermographic retrieval; Duty search; Electric vehicle retrieval; Facial search

Face Detection

Face Attributes	Gender; age; glasses; mouth mask; Body temp.

Face Recognition

Face Picture Library	Up to 300 face libraries Up to 100000 base images
Face Picture Comparison	Cooperate with facial recognition machine

Storage

HDD Capacity	Up to 18TB capacity for each HDD
Disk Group	8 Disk Group
RAID	JBOD, RAID0, RAID1, RAID5, RAID6, RAID10

External Port

eSATA	1×eSATA
USB	2×USB2.0; 1×USB3.0
HDMI	2×HDMI(supports up to 4K resolution output)
VGA	2×VGA
Network Interface	2×RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port
SATA	8×SATA interface
RS232	1×RS232
RS485	2×RS485
Alarm I/O	16-ch, TTL inputs, 3mA, 3.3VDC; 4-ch, relay outputs, 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	100~240V AC
Power Consumption	<18W(HDD not included, idling)
NetWeight	7.65Kg
GrossWeight	10.03Kg
Boundary Dimensions	440(L)460(W)94(H)mm
Package Dimensions	565(L)565(W)220(H)mm

Operating Temperature	-10℃~+55℃
Operating Humidity	10%~90%RH
Storage Temperature	-10℃~+55℃
Storage Humidity	10%~90%RH
Package Kit	Network Video Recorder; Screw pack; Mouse; European standard power cord; 2Ear plate; 8SATA hard disk data cable

DIMENSIONS (Unit: mm)

Physical Interfaces

CAUTION

To prevent the risk of electrical hazard, please do not disassemble the equipment by yourself. Detection and maintenance of the equipment need to be carried out by professionals.

AUD OUT

eSATA

VGA2 VGA1

LAN2

LAN1

HDMI2 HDMI1

RST

RS485
G G A1 B1 A2 B2

RS232
G R T D

ALARM OUT

G 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 G ALARM IN