

# Tiandy



## TC-R3840 Spec:I/B/N/V4.0

# H.265 8HDD 40ch NVR



## KEY FEATURES

### HD Input

- S+265/H.265/S+264/H.264 video formats
- Connectable to the third-party network cameras
- Support live view, storage, and playback of the connected camera at up to 16MP resolution

### HD Output

- HDMI and VGA independent outputs
- HDMI Video output at up to 4K resolution

### HD Storage

- 8 SATA interface, up to 18TB for 1 HDD
- S+265 compression effectively reduces the storage space and costs by up to 75%

### HD Transmission

- 2×RJ45 self-adaptive 10/100/1000 Mbps network interface

### Various Applications

- Centralized management of IP cameras, including configuration, information import/export, real-time information display, upgrade, etc.
- Connectable to smart IP cameras from Tiandy and the recording, playing back, and backing up of VCA alarms can be realized
- VCA detection alarm is supported
- Support cloud upgrade

# Tiandy

## 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*3,12MP*4,8MP*6,6MP*8,5MP*9,4MP*12,3MP*16,1080P*24,720P*40,4CIF*40
Playback decoding capability	16MP*3,12MP*4,8MP*6,6MP*8,5MP*9,4MP*12,3MP*16,1080P*16,720P*16
Video Output	independent HDMI1 and HDMI2 outputs independent VGA1 and VGA2 outputs simultaneous HDMI1 and VGA1 outputs simultaneous HDMI2 and VGA2 outputs
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),3840*2160(30Hz/60Hz)
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
Third-party Camera Access	ONVIF;RTSP
Audio Input	1-ch,3.5mm
Audio Output	1-ch,3.5mm;BNC
Two-Way Audio	1-ch,3.5mm,using the audio input
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
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);CGI;SDK
Web	IE10+;Firefox52+;Edge89+;Safari11+;Chrome57+
Record Playback	
Multi-channel Playback	16
Record Mode	Manual recording;alarm recording;Schedule recording
Storage	Local HDD/USB storage device/eSATA
Backup	USB storage device
Playback Function	Play/Pause/Stop/Slow/Speed/Backwards 30s/Forwards 30s/Full screen/backup (video Editing)/Step/Digital Zoom
Alarm	
General Alarm	Motion;Mask Alarm;Alarm Input(IPC);Video Loss;Alarm Input(NVR);Manual Alarm
Alert 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

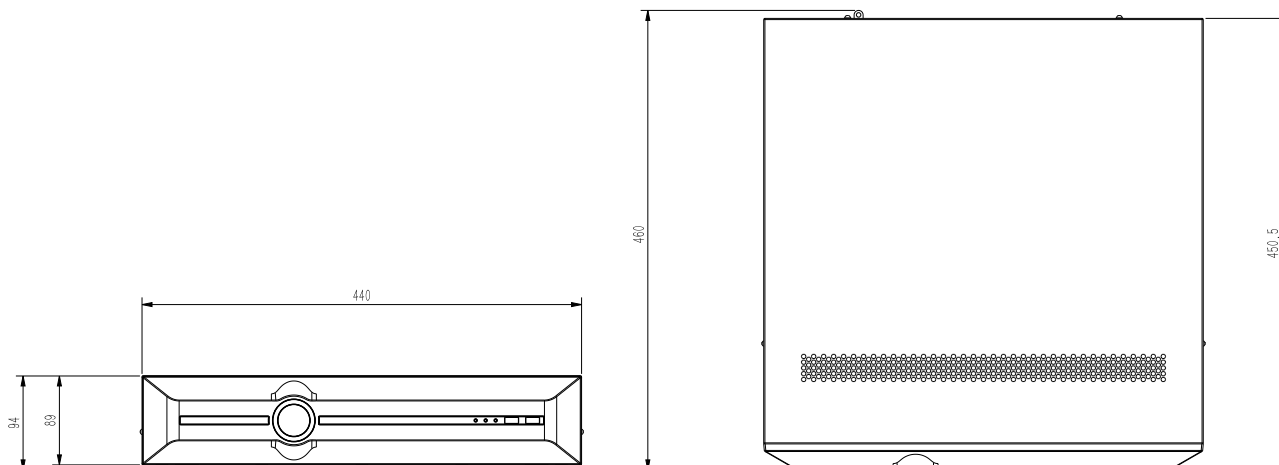
Intelligent Analytics	
VCA Detection by Camera	Tripwire;Double Tripwire;Perimeter;Object Abandon;Object Missing;Loiter;Running; Parking;Heatmap;Lens Dignose;Scene Switch Dignose;Signal Abnormal Detection; Signal Loss Detection;Plate License Recognition;On Duty Detection;Crowd Detection; Parking guard;Safety Helmet Detection;Electric vehicle testing;People Counting;Link To Tracking;Fireworks detection;Environmental temperature measurement;Face Detection;Human body temperature measurement;Advanced Intelligence
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 by Camera	
Performance	N/A
Face Attributes	Gender;age;glasses;mouth mask;Body temp.
Face Picture Library	Up to 300 face libraries Up to 100000 base images
Face Picture Comparison	Cooperate with facial recognition machine
External Port	
HDD	8 SATA ports,up to 18 TB for a single HDD. The maximum HDD capacity varies with environment temperature
Disk Group	8 Disk Group
RAID	JBOD,RAID0,RAID1,RAID5,RAID6,RAID10
eSATA	1eSATA
USB	2*USB2.0;1*USB3.0
HDMI	2*HDMI(supports up to 4K resolution output)
VGA	2*VGA
RJ-45	2*RJ-45,10/100/1000 Mbps self-adaptive Ethernet port
SATA	8 SATA interface
RS232	1*RS232
RS485	2*RS485
Alarm I/O	16channel in;4channel out
POE	
POE Interface	N/A
POE Gross Power	N/A
Power per POE Port	N/A
Max Current per POE Port	N/A
General Parameter	
UI Language	SimpleChinese;TraditionalChinese;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°C~+55°C
Operating Humidity	10%~90%RH
Storage Temperature	-10°C~+55°C
Storage Humidity	10%~90%RH
Package Kit	Network Video Recorder;Screw pack;Mouse;European standard power cord; 2Ear plate;8SATA hard disk data cable



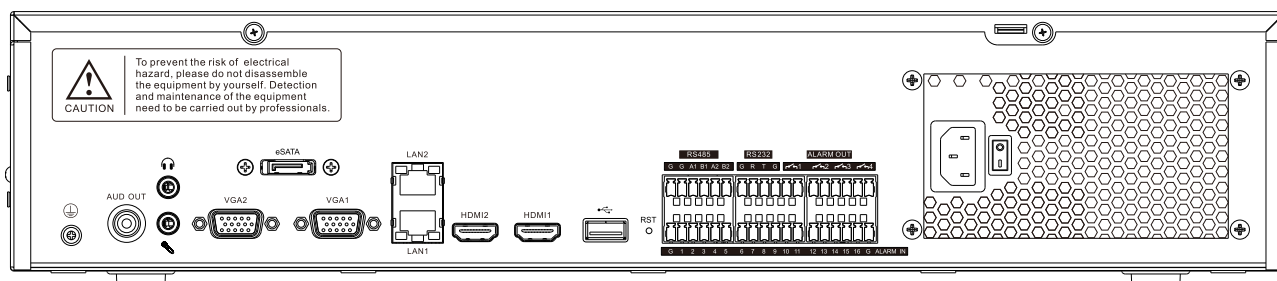
### AVAILABLE MODEL

## TC-R3840 SPEC: I/B/N/V4.0

### DIMENSIONS (Unit: mm)



### Physical Interfaces



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**Tiandy Technologies Co.,Ltd.**

Email: [sales@tiandy.com](mailto:sales@tiandy.com)

Tel: +86-22-58596065

Website: [en.tiandy.com](http://en.tiandy.com)

Fax: +86-22-58596048