Tiandy

TC-R3120 Spec:I/B/K/V3.1

H.265 1HDD 20ch NVR

Lite Series

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 8MP resolution

HD Output
- 1×HDMI and 1×VGA simultaneous outputs
- HDMI Video output at up to 4K resolution

HD Storage
- 1 SATA interface, up to 10TB for 1 HDD
- S+265 compression effectively reduces the storage space and costs by up to 75%

HD Transmission
- 1×RJ45 self-adaptive 10/100 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

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SPECIFICATIONS

Video and Audio	
Access Channel	20
Incoming Bandwidth	80Mbps
Outgoing Bandwidth	80Mbps
Resolution	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Preview decoding capability	8MP*2,6MP*2,5MP*3,4MP*4,3MP*5,1080P*8,720P*16,4CIF*20
Playback decoding capability	8MP*2,6MP*2,5MP*3,4MP*4,3MP*5,1080P*8,720P*16
Video Output	simultaneous HDMI and VGA outputs
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	1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B
Third-party Camera Access	ONVIF;RTSP
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
Liveview display	Simultaneous Output: VGA: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B HDMI: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B
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;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
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;IPC voltage abnormal;RTC failure

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Intelligent Analytics	
VCA Detection by Camera	Tripwire;Double Tripwire;Perimeter;Object Abandon;Object Missing;Loiter;Running;Parking;Lens Dignose;Scene Switch Dignose;Signal Abnormal Detection;Signal Loss Detection;On Duty Detection;Crowd Detection;Safety Helmet Detection;People Counting;Link To Tracking;Face Detection
VCA Search	Early-warning search;Behavior Search
Face Detection by Camera	
Performance	N/A
Face Attributes	N/A
Face Picture Library	N/A
Face Picture Comparison	N/A
External Port	
HDD	1 SATA ports,up to 10TB for a single HDD. The maximum HDD capacity varies with environment temperature
Disk Group	1 Disk Group
RAID	N/A
eSATA	N/A
USB	2*USB2.0
HDMI	1*HDMI(supports up to 4K resolution output)
VGA	1*VGA
RJ-45	1*RJ-45,10/100 Mbps self-adaptive Ethernet port
SATA	1 SATA interface
RS232	N/A
RS485	N/A
Alarm I/O	4channel in;1channel 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	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	0.9 kg
GrossWeight	1.6kg
Boundary Dimensions	255(L)231(W)45(H)mm
Package Dimensions	385(L)80(W)280(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;Power adapter;European standard power cord

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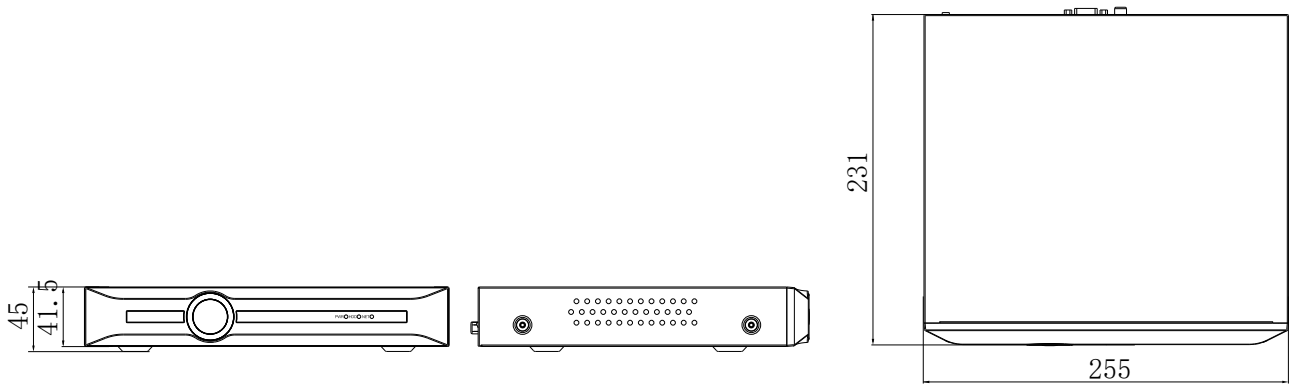
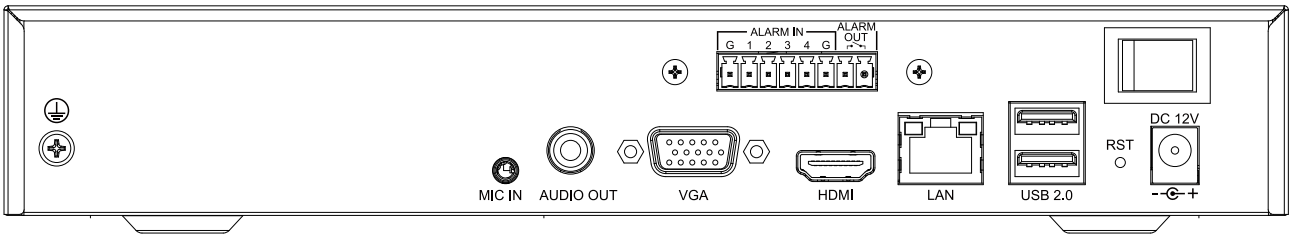
AVAILABLE MODEL

TC-R3120 SPEC: I/B/K/V3.1

DIMENSIONS (Unit: mm)



Physical Interfaces



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