

# Tiandy



TC-R3220 Spec:I/B/P16/H/DB/V4.0

# H.265 2HDD 20ch Enhanced PSE NVR

Pro Series



## KEY FEATURES

### HD Input

- S+265/H.265/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

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

### HD Storage

- 2 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 10/100/1000 Mbps network interfacet
- PoE Port: 16×RJ45 self-adaptive 10/100 Mbps network interfaces

### 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
- Support pixelation configuration



## SPECIFICATIONS

Video and Audio	
Access Channel	20
Incoming Bandwidth	400Mbps
Outgoing Bandwidth	400Mbps
Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Preview decoding capability	16MP*2,12MP*3,8MP*4,6MP*4,5MP*6,4MP*8,3MP*9,1080P*16,720P*20,4CIF*20
Playback decoding capability	16MP*2,12MP*3,8MP*4,6MP*4,5MP*6,4MP*8,3MP*9,1080P*16,720P*16
Video Output	Simultaneous HDMI and VGA 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
Third-party Camera Access	ONVIF;RTSP
Audio Input	1-ch,3.5mm
Audio Output	1-ch,RCA (Linear,1 K $\Omega$ )
Two-Way Audio	1-ch,3.5mm,using the audio input
Liveview display	Simultaneous Output: HDMI: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25 VGA: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25
Liveview configuration	Support enabling and disabling pixelation overlay function
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
Backup	USB storage device, support not pixelated video backup
Playback Function	Play/Pause/Stop/Slow/Speed/Backwards 30s/Forwards 30s/Full screen/backup (video Editing)/Step/Digital Zoom
Playback configuration	Support enabling and disabling pixelation overlay function
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;POE overloaded;IPC voltage abnormal;RTC failure

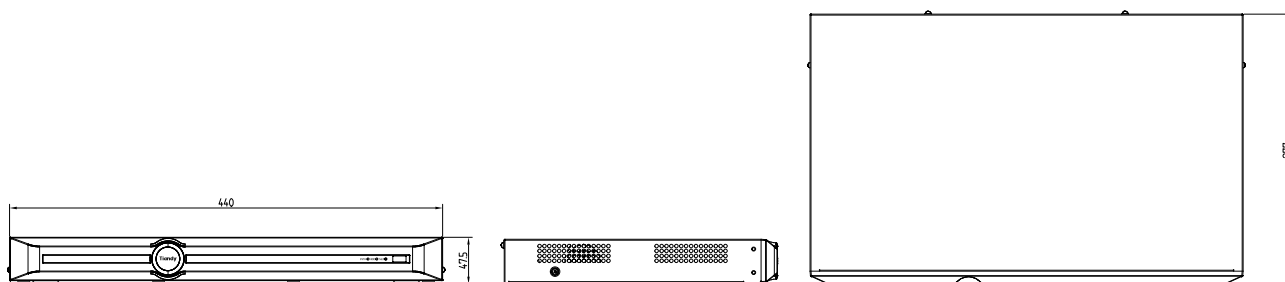
Intelligent Analytics	
VCA Detection by Camera	Tripwire;Double Tripwire;Perimeter;Object Abandon;Object Missing;Loiter;Running; Parking;Heatmap;Lens Dignose;Scene Switch Dignose;Signal Abnormal Detection; Signal Loss Detection;Plate License Recognition;On Duty Detection;Crowd Detection; Parking guard;Safety 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
Pixelate Configuration	Support camera pixelation parameter configuration, overlay zone configuration
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	2 SATA ports,up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature
Disk Group	2 Disk Group
RAID	N/A
eSATA	N/A
USB	1*USB2.0;1*USB3.0
HDMI	1*HDMI(supports up to 4K resolution output)
VGA	1*VGA
RJ-45	1*RJ-45,10/100/1000 Mbps self-adaptive Ethernet port
SATA	2 SATA interface
RS232	N/A
RS485	1*RS485
Alarm I/O	4channel in;1channel out
POE	
POE Interface	16*RJ45 self-adaptive 10/100 Mbps network interface
POE Gross Power	200W
Power per POE Port	30W
Max Current per POE Port	600mA
General Parameter	
UI Language	English;Korean
Power Supply	100~240V AC
Power Consumption	<15W(without HDD&without POE)
NetWeight	3Kg
GrossWeight	4.4Kg
Boundary Dimensions	440(L)277(W)47.5(H)mm
Package Dimensions	510(L)150(W)385(H)mm
Operating Temperature	-10°C~+55°C
Operating Humidity	10%~90%RH
Storage Temperature	-10°C~+55°C
Storage Humidity	10%~90%RH

# Tiandy

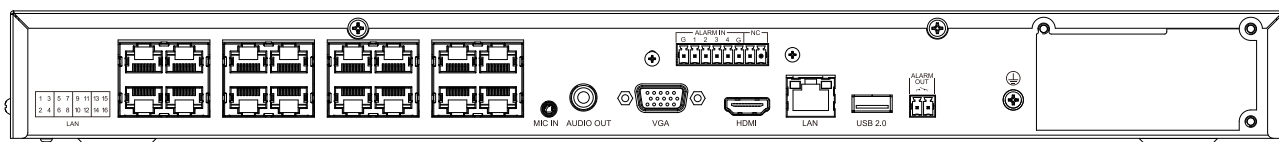
AVAILABLE MODEL

**TC-R3220 SPEC: I/B/P16/K/V3.1**

## DIMENSIONS (Unit: mm)



## Physical Interfaces



DISTRIBUTED BY



**Tiandy Technologies Co.,Ltd.**

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

Tel: +86-22-58596178

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

Fax: +86-22-58596048