# **Tiandy**



TC-R3110 Spec: I/B/K

# **H.265 1HDD 10ch NVR**



### **KEY FEATURES**

#### **HD Input**

- · S+265/H.265/H.264 video formats
- · Connectable to the third-party network cameras
- · Up to 10-channel input
- · Support live view, storage, and playback of the connected camera at up to 8MP resolution

#### **HD Output**

- · HDMI and VGA simultaneous output
- · HDMI Video output at up to 4K (3840 $\times$ 2160) 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
- · Smart search for the selected area in the video and smart playback to improve the playback efficiency
- · Web6 supports plug-in free browsing and can preview videos on all browsers
- · Support cloud upgrade



# **SPECIFICATIONS**

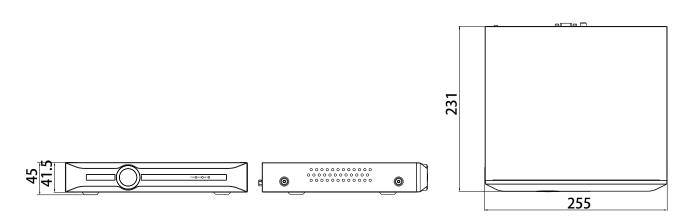
Name   Name	Input	
Name   Name	Video Input	10-ch
Bandwidth   Income 80Mbps; Outgoing 80Mbps	Max Resolution	8MP
Income 80Mbps; Outgoing 80Mbps	Two-way Audio Input	1-ch, 3.5mm
HDMI_VGA Output	Bandwidth	Income 80Mbps; Outgoing 80Mbps
HDMI_VGA Output	Output	
Screen Split	HDMI/VGA Output	1366×768, 1440×900, 1280×800
Decoding   Decoding   S+265/H.265/H.264	Screen Solit	
Decoding Format \$+265/H.265/H.264  Recording Resolution 8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF Preview Capability 1*8MP, 1*5MP, 2*4MP, 2*3MP, 4*1080P, 8*720P, 10*4CIF  Synchronous Playback 1*8MP, 1*5MP, 2*4MP, 2*3MP, 4*1080P, 8*720P Records Encryption Yes  Hard Disk  SATA 1 SATA interfaces for 1 HDDs  Capacity Up to 10TB for each HDD  eSATA Interface N/A Array Type N/A  External Interface  Network Interface 1*RJ45 self-adaptive 10/100 Mbps network interface  UsB Interface N/A  Alarm In/Out 4/1  Network  Protocol 1CP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS  System Compatibility ONYIF (PROFILE S/T/G), SDK, P2P  General  Web Version Web6  Language Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic  Operating Conditions -10°C - 55°C, 10% -90% RH  Power Supply DIC12V 3.33A  Consumption (without HDD) 5100 Chassis 1U  Dimensions 45.1×255×231mm, (1.78×10.04×9.09 inch)		
Decoding Format         S+265/H.265/H.265/H.265           Recording Resolution         8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF           Preview Capability         1×8MP, 1×6MP, 1×5MP, 2×4MP, 2×3MP, 4×1080P, 8×720P, 10×4CIF           Synchronous Playback         1×8MP, 1×6MP, 1×5MP, 2×4MP, 2×3MP, 4×1080P, 8×720P           Records Encryption         Ves           Hard Disk           SATA         1 SATA interfaces for 1 HDDs           Capacity         Up to 10TB for each HDD           eSATA Interface         N/A           NA         N/A           Array Type         N/A           Network Interface         1×RJ45 self-adaptive 10/100 Mbps network interface           USB Interface         2×USB 2           Serial Interface         N/A           Alarm In/Out         4/1           Network         TCP/IP, ICMP, HTTP, HTTP, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPPP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS           System Compatibility         ONVIF (PROFILE S/T/G), SDK, P2P           General         Web6           Language         Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic           Operating Conditions         -10°C ~ 55°C, 10%~90°R H <t< th=""><th></th><th></th></t<>		
Recording Resolution 8MP/6MP/5MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF Preview Capability 1×8MP, 1×6MP, 1×5MP, 2×4MP, 2×3MP, 4×1080P, 8×720P, 10×4CIF Synchronous Playback 1×8MP, 1×6MP, 1×5MP, 2×4MP, 2×3MP, 4×1080P, 8×720P Records Encryption Yes Hard Disk  SATA 1 SATA interfaces for 1 HDDs Capacity Up to 10TB for each HDD eSATA Interface N/A Array Type N/A External Interface Network Interface 1×RJ45 self-adaptive 10/100 Mbps network interface USB Interface 2×USB 2.0 Serial Interface N/A Alarm In/Out 4/1 Network  Protocol 7CP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SMMP, SSL, Teinet, RTMP, NFS System Compatibility ONVIF (PROFILE S/T/G), SDK, P2P General Web Version Web6 Language Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic Operating Conditions -10°C ~55°C, 10%~90% RH Power Supply DC12V 3.33A Consumption (without HDD) 451×255×231mm, (1.78×10.04×9.09 inch)		S+265/H 265/H 264
1×8MP, 1×6MP, 1×5MP, 2×4MP, 2×3MP, 4×1080P, 8×720P, 10×4CIF		
Synchronous Playback Records Encryption Yes  Hard Disk  SATA 1 SATA interfaces for 1 HDDs  Capacity Up to 10TB for each HDD  SATA 1 SATA interface N/A  Array Type N/A  External Interface  USB Interface  USB Interface 1 ×R,145 self-adaptive 10/100 Mbps network interface  USB Interface N/A  Alarm In/Out 4/1  Network  Protocol 1 TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPNP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS  System Compatibility 0 NOVIF (PROFILE S/T/G), SDK, P2P  General  Web Version Web6  Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Poler Supply DC12V 3.33A  Consumption (without HDD) 510W (without HDD)  Chassis 1U  Dimensions 45.1×255×231mm, (1.78×10.04×9.09 inch)	_	
Yes         Hard Disk         SATA       1 SATA interfaces for 1 HDDs         Capacity       Up to 10TB for each HDD         eSATA Interface       N/A         Array Type       N/A         External Interface       I×RJ45 self-adaptive 10/100 Mbps network interface         USB Interface       2×USB 2.0         Serial Interface       N/A         Alarm In/Out       4/1         Network         Protocol       TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, GMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS         System Compatibility       ONVIF (PROFILE S/T/G), SDK, P2P         General       Web         Web Version       Web6         Language       Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic         Operating Conditions       -10°C ~ 55°C, 10%~90% RH         Power Supply       DC12V 3.33A         Consumption (without HDD)       ≤10W (without HDD)         Chassis       1U         Dimensions       45.1×255×231mm, (1.78×10.04×9.09 inch)		
Hard Disk  SATA 1 SATA interfaces for 1 HDDs  Capacity Up to 10TB for each HDD  eSATA Interface N/A Array Type N/A  External Interface  Network Interface 1 × RJ45 self-adaptive 10/100 Mbps network interface  USB Interface 2 × USB 2.0  Serial Interface N/A Alarm In/Out 4/1  Network  Protocol TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS  System Compatibility ONVIF (PROFILE S/T/G), SDK, P2P  General  Web Version Web6  Language Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic  Operating Conditions -10°C ~ 55°C, 10%~90% RH  Power Supply DC12V 3.33A  Consumption (without HDD)   Chassis 1U  Dimensions 45.1×255×231mm, (1.78×10.04×9.09 inch)		
SATA 1 SATA interfaces for 1 HDDs  Capacity Up to 10TB for each HDD  eSATA Interface N/A Array Type N/A  External Interface Network Interface  Network Interface 1*RJ45 self-adaptive 10/100 Mbps network interface USB Interface 2*USB 2.0 Serial Interface N/A Alarm In/Out 4/1  Network  Protocol TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS  System Compatibility ONVIF (PROFILE S/T/G), SDK, P2P  General  Web Version Web6  Language Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic  Operating Conditions -10°C ~ 55°C, 10%~90% RH  Power Supply DC12V 3.33A  Consumption (without HDD)  Chassis 1U  Dimensions 451×255×231mm, (1.78×10.04×9.09 inch)	31	
Capacity Up to 10TB for each HDD  eSATA Interface N/A Array Type N/A  External Interface  Network Interface  Network Interface 1*RJ45 self-adaptive 10/100 Mbps network interface  USB Interface 2*USB 2.0  Serial Interface N/A Alarm In/Out 4/1  Network  Protocol TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPDE, NTP, UPnP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS  System Compatibility ONVIF (PROFILE S/T/G), SDK, P2P  General  Web Version Web6  Language Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic  Operating Conditions -10°C ~ 55°C, 10% ~ 90% RH  Power Supply DC12V 3.33A  Consumption (without HDD) \$10W (without HDD)  Chassis 1U  Dimensions 45.1×255×231mm, (1.78×10.04×9.09 inch)		1 SATA interfaces for 1 HDDs
eSATA Interface  Array Type  N/A  Array Type  N/A  External Interface  Network Interface  Network Interface  1 × RJ45 self-adaptive 10/100 Mbps network interface  2 × USB 2.0  Serial Interface  N/A  Alarm In/Out  4/1  Network  Protocol  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPNP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS  ONVIF (PROFILE S/T/G), SDK, P2P  General  Web Version  Web6  Language  Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic  Operating Conditions  -10°C ~ 55°C, 10%~90% RH  Power Supply  DC12V 3.33A  Consumption (without HDD)  Chassis  1U  Dimensions  45.1×255×231mm, (1.78×10.04×9.09 inch)		
Array Type N/A  External Interface  Network Interface 1×RJ45 self-adaptive 10/100 Mbps network interface  USB Interface 2×USB 2.0  Serial Interface N/A Alarm In/Out 4/1  Network  Protocol TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPNP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS  ONVIF (PROFILE S/T/G), SDK, P2P  General  Web Version Web6  Language Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic  Operating Conditions -10°C ~ 55°C, 10%~90% RH  Power Supply DC12V 3.33A  Consumption (without HDD)  Chassis 1U  Dimensions 45.1×255×231mm, (1.78×10.04×9.09 inch)		·
External Interface         Network Interface       1×RJ45 self-adaptive 10/100 Mbps network interface         USB Interface       2×USB 2.0         Serial Interface       N/A         Alarm In/Out       4/1         Network       TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS         System Compatibility       ONVIF (PROFILE S/T/G), SDK, P2P         General       Web Version         Web Version       Web6         Language       Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic         Operating Conditions       -10°C ~ 55°C, 10%~90% RH         Power Supply       DC12V 3.33A         Consumption (without HDD)       ≤10W (without HDD)         Chassis       1U         Dimensions       45.1×255×231mm, (1.78×10.04×9.09 inch)		
Network Interface       1×RJ45 self-adaptive 10/100 Mbps network interface         USB Interface       2×USB 2.0         Serial Interface       N/A         Alarm In/Out       4/1         Network       TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS         System Compatibility       ONVIF (PROFILE S/T/G), SDK, P2P         General       Web Version         Web Version       Web6         Language       Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic         Operating Conditions       -10°C ~ 55°C, 10%~90% RH         Power Supply       DC12V 3.33A         Consumption (without HDD)       ≤10W (without HDD)         Chassis       1U         Dimensions       45.1×255×231mm, (1.78×10.04×9.09 inch)		IVA
USB Interface  Serial Interface N/A  Alarm In/Out Alarm In/Out  Network  Protocol  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS  ONVIF (PROFILE S/T/G), SDK, P2P  General  Web Version  Web6  Language Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic  Operating Conditions -10°C ~ 55°C, 10% ~ 90% RH  Power Supply  DC12V 3.33A  Consumption (without HDD)  Chassis  1U  Dimensions  45.1×255×231mm, (1.78×10.04×9.09 inch)		1xRI45 self-adaptive 10/100 Mhps network interface
Serial Interface Alarm In/Out Alarm In/Out Network  Protocol TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS  System Compatibility ONVIF (PROFILE S/T/G), SDK, P2P  General Web Version Language Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic  Operating Conditions -10°C ~ 55°C, 10%~90% RH  Power Supply DC12V 3.33A Consumption (without HDD) Chassis 1U Dimensions  45.1×255×231mm, (1.78×10.04×9.09 inch)		
Alarm In/Out  Network  Protocol TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS  System Compatibility ONVIF (PROFILE S/T/G), SDK, P2P  General  Web Version Web6  Language Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic  Operating Conditions -10°C ~ 55°C, 10%~90% RH  Power Supply DC12V 3.33A  Consumption (without HDD) ≤10W (without HDD)  Chassis 1U  Dimensions 45.1×255×231mm, (1.78×10.04×9.09 inch)		
Network         Protocol       TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS         System Compatibility       ONVIF (PROFILE S/T/G), SDK, P2P         General       Web 6         Language       Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic         Operating Conditions       -10°C ~ 55°C, 10%~90% RH         Power Supply       DC12V 3.33A         Consumption (without HDD)       ≤10W (without HDD)         Chassis       1U         Dimensions       45.1×255×231mm, (1.78×10.04×9.09 inch)		
Protocol       TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, IGMP, QoS, IPV4, IPV6, Multicast, ARP, UDP, SNMP, SSL, Telnet, RTMP, NFS         System Compatibility       ONVIF (PROFILE S/T/G), SDK, P2P         General       Web6         Language       Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic         Operating Conditions       -10°C ~ 55°C, 10%~90% RH         Power Supply       DC12V 3.33A         Consumption (without HDD)       ≤10W (without HDD)         Chassis       1U         Dimensions       45.1×255×231mm, (1.78×10.04×9.09 inch)		,,-
General         Web Version       Web6         Language       Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic         Operating Conditions       -10°C ~ 55°C, 10%~90% RH         Power Supply       DC12V 3.33A         Consumption (without HDD)       ≤10W (without HDD)         Chassis       1U         Dimensions       45.1×255×231mm, (1.78×10.04×9.09 inch)	Protocol	
General         Web Version       Web6         Language       Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic         Operating Conditions       -10°C ~ 55°C, 10%~90% RH         Power Supply       DC12V 3.33A         Consumption (without HDD)       ≤10W (without HDD)         Chassis       1U         Dimensions       45.1×255×231mm, (1.78×10.04×9.09 inch)	System Compatibility	ONVIF (PROFILE S/T/G), SDK, P2P
Web Version       Web6         Language       Simple Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic         Operating Conditions       -10°C ~ 55°C, 10%~90% RH         Power Supply       DC12V 3.33A         Consumption (without HDD)       ≤10W (without HDD)         Chassis       1U         Dimensions       45.1×255×231mm, (1.78×10.04×9.09 inch)	, ,	
Polish, Dutch, Hebraism, Arabic  Operating Conditions -10°C ~ 55°C, 10%~90% RH  Power Supply DC12V 3.33A  Consumption (without HDD)  Chassis 1U  Dimensions 45.1×255×231mm, (1.78×10.04×9.09 inch)	Web Version	Web6
Power Supply  Consumption (without HDD)  Chassis  Dimensions  DC12V 3.33A  ≤10W (without HDD)  1U  Dimensions  DC12V 3.33A  ≤10W (without HDD)  45.1×255×231mm, (1.78×10.04×9.09 inch)	Language	
Consumption (without HDD)         ≤10W (without HDD)           Chassis         1U           Dimensions         45.1×255×231mm, (1.78×10.04×9.09 inch)	Operating Conditions	-10°C ~ 55°C, 10%~90% RH
Consumption (without HDD) ≤10W (without HDD)  Chassis 1U  Dimensions 45.1×255×231mm, (1.78×10.04×9.09 inch)	Power Supply	DC12V 3.33A
Chassis         1U           Dimensions         45.1×255×231mm, (1.78×10.04×9.09 inch)	Consumption (without HDD)	≤10W (without HDD)
	Chassis	10
Weight (without HDD) 0.9Kg (1.98lb)	Dimensions	45.1×255×231mm, (1.78×10.04×9.09 inch)
	Weight (without HDD)	0.9Kg (1.98lb)

# **Tiandy**

**AVAILABLE MODEL** 

TC-R3110 SPEC: I/B/K

### **DIMENSIONS (Unit: mm)**



## **Physical Interfaces**

