# **TD-2100TS-HC**























HD

H.265

DDNS

Network

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PTZ

Audio

dio M

Mobile

CMS

USB

Mouse

F-mail

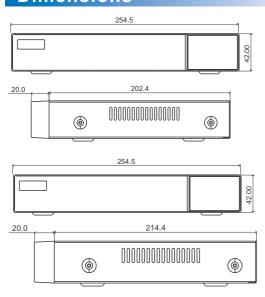
## Introduction

TD-2100TS-HC series are 4 / 8 / 16 CH 1080P high definition DVRs with ability to connect analog and IP cameras simultaneously, which adopt the standard H.265 high profile compression format and the most advanced SOC technique to ensure real time recording in each channel and realize outstanding robustness of the system. TD-2100TS-HC support 4 / 8 / 16 CH video input, 1 / 1 CH audio input, simultaneous 4 / 8 / 16 CH playback. The series of product can meet different security requirements of home, financial, commerce, enterprise, transportation and government, etc.

# **Characteristics**

- 4/8/16 CH TVI/AHD/CVI 5MP/4MP/1080P/720P/WD1 video input
- 4/8/16 CH DVRs support 2/4/8 CH 5MP/4MP/3MP/1080P/960P/720P IP video input input by default
- 4/8/16 CH DVRs default support 2/8/8 CH analog input switched to IP input
- Adopt standard H.265 high profile compression format to get high-quality video at much lower bit rate
- Intuitive and user-friendly Graphics User Interface (GUI), window style operation by mouse
- Multi-mode recording: manual / timer / motion / smart event
- Playback: 4 / 8 / 16 CH simultaneously playback
- Search: time slice, time, event, tag search
- Express and flexible backup via USB, network and so on
- Pentaplex: preview, record, playback, backup and remote access
- DHCP, DDNS, PPPoE network protocol
- Remote control via Web or CMS: preview, playback, backup, PTZ and configuration
- Dual stream technology for local storage with high definition, remote network transmission and remote surveillance with mobile device
- Multi-user online simultaneously
- Authorization management, log review and device status review
- Support 1080P output, true high resolution display
- Support PTZ preset and auto cruise, up to 255 presets and 8 cruises
- Support NAT function and QRCode scanning by mobile phones
- Powerful mobile surveillance by smart phones with iOS and Andriod OS

#### **Dimensions**



## **Specification**

System   OS	Model		TD-2104TS-HC	TD-2108TS-HC	TD-2116TS-HC
Analog Input	System	OS			
Nesolution   TVI/AHD/CVI : SMP/4MP/1080P/T20P/WD1   IP Input   2CH (Up to 6CH)   4CH(Up to 12CH)   8CH(Up to 16CH)   Total Input   6CH   12CH   24CH   24CH   24CH   4CM   4CM   4CM   4CM   24CH   24CH   4CM				BNC × 8	BNC x 16
IP Input   2CH (Up to 6CH)   4CH (Up to 12CH)   8CH (Up to 16CH)     Total Input   6CH   12CH   24CH     Total Input   6CH   12CH   24CH					
Total Input					
Audio			· · · · · ·		
Output   NGA × 1: 1920 × 1080 / 1280 × 1024 / 1024 × 768     BNC × 1: CVBS ( used as the main or spot output)     RCA × 1     Audio   RCA × 1     Output   RCA × 1     Two-way audio   Take up channel one audio input     Two-way audio     Two-way audio   Take up channel one audio input		Total Input	6CH	12CH	24CH
Audio   Output   RCA×1 (linear, 600Ω)   Two-way audio   Take up channel one audio input		Output	VGA × 1 : 1920 × 1080 / 1280 × 1024 / 1024 × 768		
Two-way audio	Audio	Input	RCA×1		
Video Compression   H.264/H.265		Output	RCA × 1 (linear, 600Ω)		
Standard		Two-way audio	Take up channel one audio input		
Resolution	Standard		H.264/H.265		
Record			G.711(U/A)		
Frame Rate	Record	Resolution	5MP Lite/4MP Lite/1080P/1080P Lite/720P/WD1		
Mode   Manual, timer, motion		Frame Rate	4MP Lite/1080P: 12fps (PAL)/15fps (NTSC); 1080P Lite/720P/WD1: 25fps (PAL)/30fps (NTSC)		
Playback		Bit Rate	32Kbps ~ 4Mbps	32Kbps ~ 4Mbps	32Kbps ~ 5Mbps
Playback   Search   Time slice / time / event / tag search		Mode	Manual, timer, mo	tion	
Search	IP Input	Resolution	Up to 5MP@25fps	Up to 5MP@30fps	Up to 5MP@30fps
Play back         Smart Search         Highlight colors to display the camera record in a certain period of time, different colors refer to different record events           Function         Play, pause, FF, FB, digital zoom, etc.           Network         Input         No           Output         No           Interface         RJ45 100Mbps × 1           Protocol         TCP/IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPs           Incoming Bandwidth         16Mbps (Max. 36Mbps)         32Mbps (Max. 64Mbps)           Outgoing Bandwidth         40Mbps 60Mbps         80Mbps           Mobile Device         OS         iOS, Andriod           Storage         HDD         SATA × 1, up to 6TB         SATA × 1, up to 6TB           Backup         Network Backup         Yes           Port         USB         USB 2.0 × 2 (in the rear panel)           Port         USB         USB 2.0 × 2 (in the rear panel)           Consumption         ≤5W(without HDD) ≤8W(without HDD) ≤10W(without HDD)           Dimensions (mm)         255× 222× 42(W × D × H)         255× 234× 42 (W × D × H)           Working         40 × 50 × 0.10W × 0.00W humidity		Playback	4 CH	8 CH	16 CH
Smart Search   period of time, different colors refer to different record events		Search	Time slice / time / e	event / tag search	
Input		Smart Search	period of time, different colors refer to different record		
Network		Function	Play, pause, FF, FB, digital zoom, etc.		
Network		Input	No		
Network	Alarm	Output	No		
Network		Interface	RJ45 100Mbps × 1		
Incoming   Bandwidth   16Mbps   32Mbps   (Max. 64Mbps)   (Ma	Network	Protocol	TCP/IP, PPPoE, DHCP,DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPs		
Outgoing Bandwidth         40Mbps         60Mbps         80Mbps           Mobile Device         OS         iOS, Andriod           Storage         HDD         SATA × 1, up to 6TB         SATA × 1, up to 6TB         SATA × 1, up to 8TB           Backup         Local Backup         U disk, USB mobile HDD           Network Backup         Yes         RS485         RS485 × 1, connect to PTZ or keyboard           Port         USB         USB 2.0 × 2 (in the rear panel)           Remote Controller         Optional           Power Supply         DC12V / 1.5A         DC12V / 2A         DC12V / 3A           Consumption         ≤5W( without HDD)         ≤8W( without HDD)         ≤10W(without HDD)           Dimensions (mm)         255×222×42(W×D×H)         255×234×42 (W×D×H)           Working         10 x 50 °C 100% x 20% bursidity				· ·	·
Device         OS         IOS, Andriod           Storage         HDD         SATA × 1, up to 6TB         SATA × 1, up to 6TB         SATA × 1, up to 8TB           Backup         Local Backup         U disk, USB mobile HDD           Network Backup         Yes         RS485         RS485 × 1, connect to PTZ or keyboard           Port         USB         USB 2.0 × 2 (in the rear panel)           Remote Controller         Optional           Power Supply         DC12V / 1.5A         DC12V / 2A         DC12V / 3A           Consumption         ≤5W( without HDD)         ≤8W( without HDD)         ≤10W(without HDD)           Dimensions (mm)         255×222×42( W × D × H)         255×234×42 (W × D × H)         (W × D × H)			40Mbps		80Mbps
Storage         HDD         SATA × 1, up to 6TB         SATA × 1, up to 6TB         SATA × 1, up to 8TB           Backup         Local Backup         U disk, USB mobile HDD           Network Backup         Yes           RS485         RS485 × 1, connect to PTZ or keyboard           USB         USB 2.0 × 2 (in the rear panel)           Remote Controller         Optional           Power Supply         DC12V / 1.5A         DC12V / 2A         DC12V / 3A           Consumption         ≤5W( without HDD)         ≤8W( without HDD)         ≤10W(without HDD)           Dimensions (mm)         255×222×42( W × D × H)         255×234×42 (W × D × H)           Working         10 × 50 °C         10% × 90% hymidity		os	iOS, Andriod		
Backup         Network Backup         Yes           Port         RS485         RS485 × 1, connect to PTZ or keyboard           USB         USB 2.0 × 2 (in the rear panel)           Remote Controller         Optional           Power Supply         DC12V/1.5A         DC12V/2A         DC12V/3A           Consumption         ≤5W( without HDD) ≤8W( without HDD) ≤10W(without HDD)           Dimensions (mm)         255×222×42( W×D×H)         255×234×42 (W×D×H)           Working         10 × 50 °C         10% × 90% hymidity		HDD			
Port         Ves           RS485         RS485 × 1, connect to PTZ or keyboard           USB         USB 2.0 × 2 (in the rear panel)           Remote Controller         Optional           Power Supply         DC12V / 1.5A         DC12V / 2A         DC12V / 3A           Consumption         ≤5W( without HDD) ≤8W( without HDD) ≤10W(without HDD)           Dimensions (mm)         255×222×42( W × D × H)         255×234×42 (W × D × H)           Working         10 × 50 °C         10% × 90% hymidity	Backup	Local Backup	U disk, USB mobile HDD		
Port         USB         USB 2.0 × 2 (in the rear panel )           Remote Controller         Optional           Power Supply         DC12V / 1.5A         DC12V / 2A         DC12V / 3A           Consumption         ≤5W( without HDD) ≤8W( without HDD) ≤10W(without HDD)           Dimensions (mm)         255×222×42(W×D×H)         255×234×42 (W×D×H)           Working         10 × 50 °C 100 × 200 × buridity			Yes		
Remote Controller         Optional           Power Supply DC12V/1.5A DC12V/2A DC12V/3A           Consumption ≤5W( without HDD) ≤8W( without HDD) ≤10W(without HDD)           Dimensions (mm)         255×222×42(W×D×H)         255×234×42 (W×D×H)           Working         10 × 50 °C 10% × 90% buridity	Port	RS485	RS485 × 1, connect to PTZ or keyboard		
Remote Controller         Optional           Power Supply         DC12V/1.5A         DC12V/2A         DC12V/3A           Consumption         ≤5W( without HDD)         ≤8W( without HDD)         ≤10W(without HDD)           Dimensions (mm)         255×222×42( W×D×H)         255×234×42 (W×D×H)           Working         10 × 50 °C         10% × 90% buridity		USB	USB 2.0 × 2 ( in the rear panel )		
Others    Consumption   ≤5W( without HDD)   ≤8W( without HDD)   ≤10W( without HDD)			Optional		
Others    Dimensions (mm)   255×222×42(W×D×H)   255×234×42 (W×D×H)	Others	Power Supply	DC12V / 1.5A	DC12V / 2A	DC12V/3A
Dimensions (mm) 255×222×42(W×D×H) 255×234×42 (W×D×H)  Working 10 × 50 °C 10°C × 00°C hymidity		·	≤5W( without HDD)	≤8W( without HDD)	
			255× 222× 42( W ×	D×H)	
			-10 ~ 50 °C , 10%	~ 90% humidity	