

H.265 20CH 4HDD NVR

Model TC-NR5020M7-S4

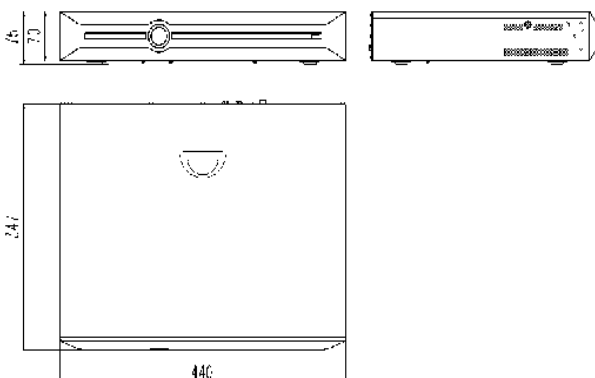
Tiandy



Features

- S+265 Compression
- Up to 4K Resolution Recording
- HDD Quota and Group Management
- Dual Gigabit Network Interfaces
- Support 20-ch Intelligent Analysis Process
- Support 2-ch Built-in Intelligent Analysis in H.264
- Smart Search&Recording, Plug&Play
- Support ANR Function
- Support N+1 Hot Standby Function
- 1x HDMI, 1x VGA, Same Video Source, Max Resolution 4K
- 4 SATA(Up to 32TB), Alarm I/O 16/4, Audio I/O 1/1, 2x USB
- CE, FCC, RoHS

Dimensions



Video/Audio Input	
IP video input	20-ch
Two-way Audio Input	1-ch 3.5mm
Network	
Incoming Bandwidth	400Mbps
Outgoing Bandwidth	200Mbps
Remote Connection	32 Users, Up to 160ch Videos
Browser	IE8/Firefox24 or above
Mobile Software	P2P&DDNS for IOS&Android (Tiandy: Easylive, Neutral: Mobilive)
Protocol	TCP/UDP/HTTP/MULTICAST/UPnP/DHCP/PPPoE/DDNS/NFS/FTP/NTP/TCP-IP IPFILTER/ALARMSEVER/IP SEARCH/HTTPS/RTSP/SMTP/SADP/SNMP
Email	Activated by Alarm
ANR	Y
Advanced	Remaining Bandwidth Display
Video/Audio Output	
HDMI	3840×2160,2560×1600,2560×1440,1920×1080 1280×720,800×600,1024×768,1366×768,1440×900,1280×800 1-ch Resolution: 1920×1080, 1280×720, 800×600,1024×768
VGA	1366×768,1440×900,1280×800 Adjustable Output mode, Self-adaptive Resolution
Frame Rate	Mainstream 25fps(P)/30fps(N)Substream 25fps(P)/30fps(N)
I-Frame Record	Y, Only Record Key Frame to Lower Frame Rate
Recording Resolution	4K(3840*2160,3264*2448,3296*2472)/6MP(2752*2208,3008*2008,2408*2008) 5MP(2560*1920,2592*1944,2592*1920,2528*2128)/4MP(2560*1440,2592*1520) 3MP(2048*1536)/1080P/U/XGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Audio	1-ch 3.5mm
Synchronous Playback	4-ch 4K/16-ch 1080P/720P/4CIF
Decoding	
Compression	S+265/H.265/S+264/H.264H/H.264M/H.264B 4K(3840*2160,3264*2448,3296*2472)/6MP(2752*2208,3008*2008,2408*2008) 5MP(2560*1920,2592*1944,2592*1920,2528*2128)/4MP(2560*1440,2592*1520) 3MP(2048*1536)/1080P/U/XGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Live View/Playback	4-ch 4K/6MP/5-ch 5MP/8-ch 4MP/9-ch 3MP/16-ch 1080P/20-ch 720P/4CIF
Capability	4-ch 4K/6MP/5-ch 5MP/8-ch 4MP/9-ch 3MP/16-ch 1080P/20-ch 720P/4CIF
Display Split	1/4/6/8/9/10/16/20/25
E-Zoom	Y
Hard Disk	
SATA	4 SATA for 4 HDDs
Interface Type	1 eSATA for Backup
Capacity	Up to 8TB Capacity for Each HDD
NTFS Files System	Y
HDD Management	Group and Quota, Customized Recording Days
External Interface	
HDMI Output	1ch
VGA Output	1ch
Two-way Audio	1ch 3.5mm
Audio Output	1ch RCA
Network Interface	1X RJ-45 10/100/1000Mbps Self-adaptive Ethernet Interfaces
Serial Interface	1X RS-485, 1X RS-232
USB Interface	1x USB3.0, 1x USB2.0
Alarm In/Out	16/4
Advance	
NAS	NFS Protocol, Support Manual Backup Only
Plug and Play	Y, Only for Tiandy Cameras
Image Flip	Y, Only for Tiandy Cameras
Hot Standby	N+1
Corridor Mode	Y, 16:9 to 9:16, Only for Tiandy Cameras
Video Analytics(VCA)	Camera VCA Function, including Tripwire/Perimeter/Facial Detection People Counting/Missing&Foreign Object/Crowd/Littering/Fast Moving Parking/Off-position/Blurred Image/Audio Offline/Screaming Detection Quickly Search Target Videos according to Channel No., Records Type, Records Time, File Type and VCA(Only for Tiandy Cameras)
Smart Search	Manual/Timing/Motion Detection/Port Alarm/ VCA Alarm/Video Occlusion
Trigger Recording	Set Recording Bite Rate for Different Time
Smart Recording	Pre Alarm Default 10s (5/10/15/60s Optional) Post Alarm Default 10s (10/15/30/60/600s Optional)
Alarm Recording	Intercom , Recording
One Key Control	SDV, Export MP4 in H.264 Format
Records Format	SDV, Export MP4 in H.264 Format
Records Encryption	Y
Records Tag	Y
Onvif	Onvif(Profile S)
General	
Language	English,Spanish,Korean,Italian,Turkish,Thai,Russian Polish,French,Traditional Chinese,Simplified Chinese
Power Supply	DC12V 5A
Consumption(without HDD)	≤ 40W
Working Temperature	-10 °C ~ +55 °C (+14 °F~ + 131 °F)
Working Humidity	10 % ~ 90 %
Chassis	19" Rack Mount 1.5U Chassis, with 2pcs Ear Boards
Dimensions	75mm×440mm×347mm
Weight	3.8KG (without HDD), 5.5KG (with Packing Box)
S+265:	Tiandy enhanced H.265 codec
ANR:	Auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection(Only Support Tiandy ANR NVR)
Smart Search:	Greatly improve search speed for recorded video via VCA function

* The latest product information / specification can be found at <http://en.tiandy.com/>

CE FC RoHS

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