

# H.265 20CH 4HDD NVR

Model TC-NR5020M7-S4

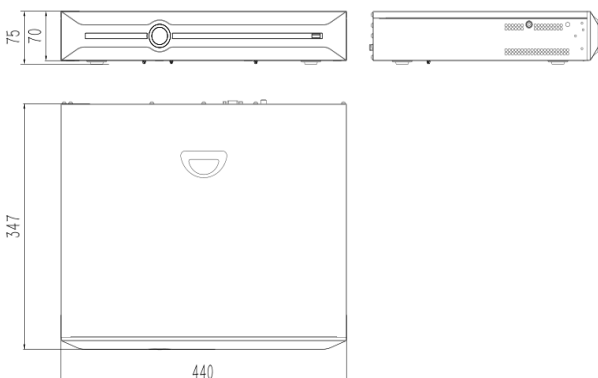
# Tiandy



## 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

## Dimensions



<b>Video/Audio Input</b>	
<b>IP video input</b>	20-ch
<b>Two-way Audio Input</b>	1-ch 3.5mm
<b>Network</b>	
<b>Incoming Bandwidth</b>	400Mbps
<b>Outgoing Bandwidth</b>	200Mbps
<b>Remote Connection</b>	32 Users, Up to 160ch Videos
<b>Browser</b>	IE8/Firefox24 or above
<b>Mobile Software</b>	P2P&DDNS for IOS&Android (Tiandy: Easylive, Neutral: Mobilive)
<b>Protocol</b>	TCP/UDP/HTTP/MULTICAST/UPnP/DHCP/PPPoE/DDNS/NFS/FTP/NTP/TCP-IP IPFILTER/ALARMSEVER/IP SEARCH/HTTPS/RTSP/SMTP/SADP/SNMP
<b>Email</b>	Activated by Alarm
<b>ANR</b>	Y
<b>Advanced</b>	Remaining Bandwidth Display
<b>Video/Audio Output</b>	
<b>HDMI</b>	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
<b>VGA</b>	1366×768,1440×900,1280×800 Adjustable Output mode, Self-adaptive Resolution
<b>Frame Rate</b>	Mainstream 25fps(P)/30fps(N)Substream 25fps(P)/30fps(N)
<b>I-Frame Record</b>	Y, Only Record Key Frame to Lower Frame Rate
<b>Recording Resolution</b>	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
<b>Audio</b>	1-ch 3.5mm
<b>Synchronous Playback</b>	4-ch 4K/16-ch 1080P/720P/4CIF
<b>Decoding</b>	
<b>Compression</b>	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
<b>Live View/Playback</b>	4-ch 4K/6MP/5-ch 5MP/8-ch 4MP/9-ch 3MP/16-ch 1080P/20-ch 720P/4CIF
<b>Capability</b>	4-ch 4K/6MP/5-ch 5MP/8-ch 4MP/9-ch 3MP/16-ch 1080P/20-ch 720P/4CIF
<b>Display Split</b>	1/4/6/8/9/10/16/20/25
<b>E-Zoom</b>	Y
<b>Hard Disk</b>	
<b>SATA</b>	4 SATA for 4 HDDs
<b>Interface Type</b>	1 eSATA for Backup
<b>Capacity</b>	Up to 8TB Capacity for Each HDD
<b>NTFS Files System</b>	Y
<b>HDD Management</b>	Group and Quota, Customized Recording Days
<b>External Interface</b>	
<b>HDMI Output</b>	1ch
<b>VGA Output</b>	1ch
<b>Two-way Audio</b>	1ch 3.5mm
<b>Audio Output</b>	1ch RCA
<b>Network Interface</b>	1X RJ-45 10/100/1000Mbps Self-adaptive Ethernet Interfaces
<b>Serial Interface</b>	1X RS-485, 1X RS-232
<b>USB Interface</b>	1x USB3.0, 1x USB2.0
<b>Alarm In/Out</b>	16/4
<b>Advance</b>	
<b>NAS</b>	NFS Protocol, Support Manual Backup Only
<b>Plug and Play</b>	Y, Only for Tiandy Cameras
<b>Image Flip</b>	Y, Only for Tiandy Cameras
<b>Hot Standby</b>	N+1
<b>Corridor Mode</b>	Y, 16:9 to 9:16, Only for Tiandy Cameras
<b>Video Analytics(VCA)</b>	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 )
<b>Smart Search</b>	Manual/Timing/Motion Detection/Port Alarm/ VCA Alarm/Video Occlusion Set Recording Bite Rate for Different Time
<b>Trigger Recording</b>	Pre Alarm Default 10s (5/10/15/60s Optional)
<b>Smart Recording</b>	Post Alarm Default 10s (10/15/30/60/600s Optional )
<b>Alarm Recording</b>	Intercom , Recording
<b>One Key Control</b>	SDV, Export MP4 in H.264 Format
<b>Records Format</b>	SDV, Export MP4 in H.264 Format
<b>Records Encryption</b>	Y
<b>Records Tag</b>	Y
<b>Onvif</b>	Onvif(Profile S)
<b>General</b>	
<b>Language</b>	English,Spanish,Korean,Italian,Turkish,Thai,Russian Polish,French,Traditional Chinese,Simplified Chinese
<b>Power Supply</b>	DC12V 5A
<b>Consumption(without HDD)</b>	≤ 40W
<b>Working Temperature</b>	-10 °C ~ +55 °C (+14 °F~ + 131 °F)
<b>Working Humidity</b>	10 % ~ 90 %
<b>Chassis</b>	19" Rack Mount 1.5U Chassis, with 2pcs Ear Boards
<b>Dimensions</b>	75mm×440mm×347mm
<b>Weight</b>	3.8KG (without HDD), 5.5KG (with Packing Box)
<b>S+265:</b>	Tiandy enhanced H.265 codec
<b>ANR:</b>	Auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection(Only Support Tiandy ANR NVR)
<b>Smart Search:</b>	Greatly improve search speed for recorded video via VCA function

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



Tiandy Digital Technology Co., Ltd. | [en.tiandy.com](http://en.tiandy.com)  
Add: No.8, Huake Rd2, Binhai Hi-Tech Industry(Huayuan), Tianjin 300384 China  
Tel: +86-22-58596037 Email: [sales@tiandy.com](mailto:sales@tiandy.com)

