

# Model TC-NR5160M7-E24-C

4K H.265 160CH 24HDD HOT SWAP NVR

# Tiandy

## Features

- Recording resolution 4K/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF IP Camera Input
- Up to 4K Resolution Recording
- Bandwidth in/out 1280Mbps/640Mbps
- JBOD,RAID0,RAID1,RAID5,RAID6,RAID10, RAID50, RAID60 (>0℃, Each Raid Group Supports up to 100Mbps Input)
- HDD Quota and Group Management
- 4X 100/1000Mbps Self-adaptive Ethernet Interfaces
- Support 160-ch Intelligent Analysis Process
- Smart Search&Recording, Plug&Play
- Support ANR Function
- Support N+M Hot Standby Function
- 2x HDMI, 1x VGA, Different Video Source, Max Resolution 4K
- 24 SATA, Alarm I/O 8 plus 36 switch value /4 plus 18 switch value, Audio I/O 1/1, 4x USB
- CE, FCC



## Specification

Video/Audio Input	
Video Input	160-ch
Audio Input	1-ch, 3.5mm
Network	
Incoming Bandwidth	960Mbps
Outgoing Bandwidth	480Mbps
Mobile Software	P2P&DDNS for IOS&Android
Internet Protocol	TCP/UDP/HTTP/MULTICAST/UPnP/DHCP/PPPoE/DDNS/NFS/FTP/NTP/HTTPS/RTSP/SMTP/HTTPS/SADP/SNMP
Email	Activated by Alarm
ANR	Y, Auto download video from camera SD card, Which was stored when disconnection (Only Support Tiandy ANR IP Camera)
Advanced	Remaining Bandwidth Display, Flow Monitor, Capture Package
Video/Audio Output	
HDMI Output	2-ch Resolution:3840×2160,2560×1600, 2560×1440, 1920×1080, 1280×720,
VGA Output	1-ch Resolution: 1920×1080, 1600×1200, 1280×1024, 280×720, 800×600,1024×768, 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/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Audio Output	2-ch, 1-ch BNC(Linear Electrical Level, 600Ω), 1-ch 3.5mm
Synchronous Playback	4-ch 4K/6MP/5-ch 5MP/8-ch 4MP/9-ch 3MP/16-ch 1080P/720P/4CIF
Decoding	
Live View/Playback	12MP/4K/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Capability	4-ch 4K/6MP/5-ch 5MP/8-ch 4MP/9-ch 3MP/16-ch 1080P/32-ch 720P/64-ch 4CIF
Display Split	1/3/4/6/8/9/10/13/16/20/25/32/36/40/64
E-Zoom	Y
Hard Disk	
SATA	24 SATA for 24 HDDs (Hot Swap)
eSATA	Y, Only for Backup
Capacity	Up to 10TB Capacity for Each HDD
NTFS Files System	Y
HDD Management	Group and Quota,Customized Recording Days
RAID	
RAID Mode	JBOD,RAID0,RAID1,RAID5,RAID6,RAID10, RAID50, RAID60 (>0℃, Each Raid Group Supports up to 100Mbps Input)
Hot Backup Disk	Overall and Raid Hot Backup Disk
RAID Management	One-key Configuration, and Support Manual and Auto Rebuild
Redundant Recording	Y, Support 200Mbps Input



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External Interface	
Network Interface	4 100/1000Mbps Self-adaptive Ethernet Interfaces
Serial Interface	10 RS-485, 1 RS-232
USB Interface	2x USB3.0, 4x USB2.0
Alarm In/Out	8 /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+M
Corridor Mode	Y, 16:9 to 9:16, Only for Tiandy Cameras
Video Analytics(VCA)	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Early
Smart Search	Quickly Search Target Videos according to Channel No., Records Type, Records Time, File Type and VCA( Only for Tiandy Cameras )
Trigger Recording	Manual/Timing/Motion Detection/Port Alarm/VCA/Video Occlusion
Smart Recording	Set Different Recording Bite Rate for Different Time
Alarm Recording	Pre Alarm Default 10s ( 5/10/15/60s Optional ) , Post Alarm Default 10s (10/15/30/60/600s Optional ).
One Key Control	Intercom, Recording
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, Traditional Chinese,Simplified Chinese, French, Polish
Power Supply	100 ~ 240V AC, 50 ~ 60Hz,
Consumption(without HDD)	Max 610w,Average 650w
Working Temperature	0℃ ~50℃
Working Humidity	10 % ~ 90 %
Chassis	4U
Dimensions	542mm×446.6mm×173.8mm
Weight	25Kg (without HDD)

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

