

# 4K H.265 160CH 16HDD HOT SWAP NVR

Model TC-NR5160M7-E16

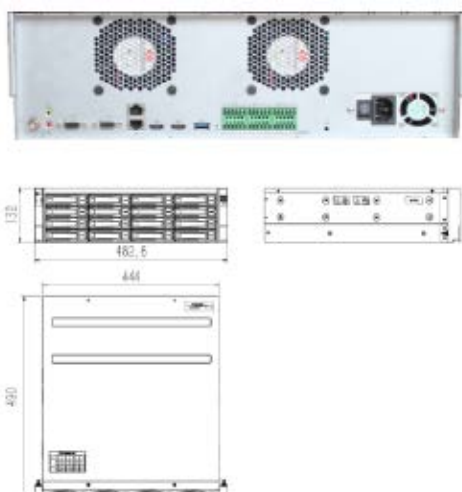
# Tiandy



## Features

- 160-ch 4K/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/D-CIF/2CIF/CIF/QCIF IP Camera Input "
- 4-ch 4K/16-ch 1080P/32-ch 720P/64-ch 4CIF Realtime Display
- 64-ch Sub-stream 4CIF Realtime Display
- 4-ch 4K/16-ch 1080P/720P/4CIF Sync Playback
- Up to 4K Resolution Recording
- Bandwidth in/out 400Mbps/200Mbps
- Support JBOD, RAID0/1/5/6/10
- HDD Quota and Group Management
- Dual Gigabit Network Interfaces
- Support 160-ch Intelligent Analysis Process
- Smart Search&Recording, Plug&Play
- Support ANR Function
- Support N+M Hot Standby Function
- 2x HDMI, 2x VGA, Different Video Source, Max Resolution 4K
- 16 SATA(Up to 128TB), Alarm I/O 16/4, Audio I/O 1/2, 3x USB
- CE, FCC, RoHS

## Dimensions



Specification	
<b>Video/Audio Input</b>	
Video Input	160-ch
Audio Input	1-ch, 3.5mm
<b>Network</b>	
Incoming Bandwidth	400Mbps
Outgoing Bandwidth	200Mbps
Remote Connection	32 Users, Up to 160ch Videos
Browser	IE8,IE9,IE10,IE11,Firefox24
Mobile Software	P2P&DDNS for IOS&Android (Tiandy: Easylive, Neutral: Mobilelive)
Internet Protocol	TCP/UDP/HTTP/MULTICAST/UPnP/DHCP/PPPoE/DDNS/NFS/FTP/NTP/HTTPS/
Email	Activated by Alarm
ANR	Y, Auto download video from camera SD card, Which was stored when Remaining Bandwidth Display, Flow Monitor, Capture Package
<b>Video/Audio Output</b>	
HDMI Output	2-ch Resolution:3840×2160,2560×1600, 2560×1440, 1920×1080, 1280×720,
VGA Output	2-ch Resolution: 1920×1080, 1280×720, 800×600,1024×768,
Frame Rate	Mainstream 25fps(P)/30fps(N) Substream
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)/5
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
<b>Decoding</b>	
Live View/Playback	4K(3840*2160,3264*2448,3296*2472)/6MP(2752*2208,3008*2008,2408*2008)/5
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	1/4/6/8/9/10/16/20/25/36/40/64
E-Zoom	Y
<b>Hard Disk</b>	
SATA	16 SATA for 16 HDDs (Hot Swap)
eSATA	Y, Only for Backup
Capacity	Up to 8TB Capacity for Each HDD
NTFS Files System	Y
HDD Management	Group and Quota,Customized Recording Days
<b>RAID</b>	
RAID Mode	JBOD,RAID0,RAID1,RAID5,RAID6,RAID10 (>0°C, Each Raid Group Supports up
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
<b>External Interface</b>	
Network Interface	2 RJ-45 10/100/1000Mbps Self-adaptive Ethernet Interfaces
Serial Interface	2 RS-485, 1 RS-232
USB Interface	1x USB3.0, 2x USB2.0
Alarm In/Out	16/4
<b>Advance</b>	
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)	Support 160-ch Camera VCA Function,Including Tripwire/Double
Smart Search	Quickly Search Target Videos according to Channel No., Records Type, Records
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
One Key Control	Intercom, Recording
Records Format	SDV, Export MP4 in H.264 Format
Records Encryption	Y
Records Tag	Y
Onvif	Onvif(Profile S)
<b>General</b>	
Language	English, Spanish, Korean, Italian,Turkish,Thai, Russian, Traditional
Power Supply	100 ~ 240V AC, 50 ~ 60Hz
Consumption(without	≤100W
Working Temperature	-10 °C ~ +55 °C (+14 °F~ + 131 °F)
Working Humidity	10 % ~ 90 %
Chassis	19" Rack Mount 3U Chassis, with 2pcs Ear Boards
Dimensions	142.8mm×436.6mm×487.2mm
Weight	≤ 11Kg (without HDD)

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

