

4K H.265 80CH 16HDD HOT SWAP NVR

Model TC-NR5080M7-E16

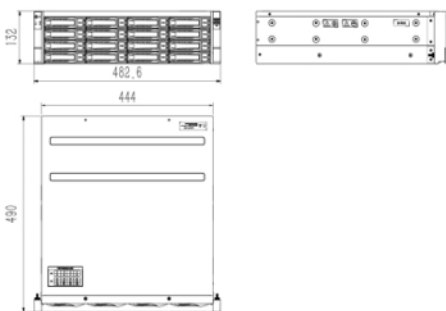
Tiandy



Features

- S+265 Compression
- 80-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 D1 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 80-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



- Bandwidth in/out 400Mbps/200Mbps
- Support JBOD, RAID0/1/5/6/10

Video/Audio Input	
Incoming Bandwidth	400Mbps
IP video	80-ch
Two-way Audio	1-ch 3.5mm
Video/Audio Output	
Outgoing Bandwidth	200Mbps
HDMI	3840×2160,2560×1600, 2560×1440, 1920×1080, 1280×720 800×600,1024×768,1366×768,1440×900,1280×800
VGA	1920×1080 ,1280×720 800×600,1024×768 1366×768,1440×900,1280×800
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/D-CIF/2CIF/CIF/QCIF
ANR	Y
Audio	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	
Compression	S+265/H.265/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/UXGA/720P/VGA/4CIF/D-CIF/2CIF/CIF/QCIF
Live View/Playback	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/D-CIF/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	1/4/6/8/9/10/16/20/25/36/40/64
E-Zoom	Y
Network	
Incoming Bandwidth	400Mbps
Outgoing Bandwidth	200Mbps
Remote Connection	32 Users, Up to 160ch Videos
Browser	CHROME V45 or lower, IE, FIREFOX
Mobile Software	P2P&DDNS for IOS&Android (Name: Easylive)
Protocols	IPV4/IPV6/HTTP/802.1x/FTP/SMTP/UPnP/SNMP DNS/DDNS/NTP/RTPSP/TCP/UDP/DHCP/PPPoE
Email	Activated by Alarm
ANR	Y
Advanced	Remaining Bandwidth Display, Flow Monitor, Capture Package
Hard Disk	
SATA	16 SATA for 16HDDs (HotSwap)
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
External Interface	
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,
USB Interface	1x USB3.0, 2x USB2.0
Alarm In/Out	16/4
Network Interface	2 RJ-45 10/100/1000Mbps Self-adaptive Ethernet Interfaces
Serial Interface	2x RS-485, 1x RS-232
USB Interface	1x USB3.0, 2x USB2.0
Alarm In/Out	16/4
Advanced	
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)	Support 80-ch Camera VCA Function, including Tripwire/Perimeter/Facial Detection People Counting/Missing&Foreign Object/Crowd/Loitering/Fast Moving/Parking Off-position/Blurred Image/Audio Offline/Screaming Detection
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 Alarm/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,French, Thai Russian, Traditional Chinese, Simplified Chinese, Polish
Power Supply	100 ~ 240V AC, 6.3A, 50 ~ 60Hz
Consumption(without HDD)	≤ 100W
Working Temperature	-10 °C ~ +55 °C (+14 °F~ + 131 °F)
Working Humidity	10 % ~ 90 %
Chassis	19" Rack Mount 2U Chassis, with 2pcs Ear Boards
Dimensions	142.8mm×436.6mm×487.2mm
Weight	≤11Kg(withoutHDD)
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/>



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