



Penta-brid 4+2

HDCVI, AHD, TVI, CVBS and IP on every channel

AI on Board

Face recognition and perimeter protection

Ultra HD 4K

Recording up to 8MP on BNC and IP

FEATURES

- Supports HDCVI/AHD/TVI/CVBS/IP video inputs on each channel
- Max 8 channels IP camera inputs, each channel up to 8MP; max 64 Mbps incoming bandwidth
- Up to 2 channels video stream (analog channel) human face recognition
- H.265+/H.265 dual-stream video compression
- IoT & POS functionalities
- Intelligent Motion Detection with human/vehicle classification

MT-NCXVR7104-4KH

TECHNICAL SPECIFICATIONS

Network	
Interface	1 RJ-45 port (1000 Mbps)
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, SNMP, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, P2P, IP Search (supports MTechnology IP cameras, DVR, NVS, etc.)
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	HTTP CGI, RTSP

System	
Main Processor	Embedded processor
Operating System	Embedded Linux

Face Recognition	
Performance	Max 8 face pictures/sec processing; 2 channels video stream face recognition (analog cameras only)
Stranger Mode	Detects faces not present in the device face database; similarity threshold can be set manually
AI Search	Up to 8 target face images searched at the same time; similarity threshold can be set for each target face image
Database Management	Up to 10 face databases with 5,000 face images in total; name, gender, birthday, address, certificate type, certificate No., country/region and state can be added to each face picture
Database Application	Each database can be applied to video channels independently
Trigger Events	Buzzer, voice prompts, email, snapshot, recording, alarm out, PTZ activation, etc.

Recording	
Compression	AI Coding / H.265+ / H.265 / H.264+ / H.264
Resolution	4K, 6MP, 5MP, 4K-N, 4MP, 3MP, 4M-N, 1080p, 720p, 960H, D1, CIF
Record Rate	Main stream: all channels 4K (1-7 fps); 6MP (1-10 fps); 5MP (1-12 fps); 4K-N/4MP/3MP (1-15 fps); 4M-N/1080p/720p/960H/D1/CIF (1-25/30 fps). Sub stream: 960H (1-15 fps); D1/CIF (1-25/30 fps)
Bit Rate	32 Kbps - 6144 Kbps per channel
Record Mode	Manual, schedule (general, continuous), MD (motion detection, video loss, tampering), alarm, stop
Record Interval	1-60 min (default 60 min); pre-record 1-30 s, post-record 10-300 s
Audio Compression	G.711A, G.711U, PCM
Audio Sample Rate	8 KHz, 16 bit per channel
Audio Bit Rate	64 Kbps per channel

Playback and Backup	
Playback	1/4 channels
Search Mode	Time/date, alarm, MD and exact search (accurate to second)
Playback Function	Play, pause, stop, rewind, fast play, slow play, next/previous file, next/previous camera, full screen, repeat, shuffle, backup selection, digital zoom
Backup Mode	USB device / network

Construction	
Dimensions	Compact 1U, 260 mm x 238 mm x 48 mm (10.24" x 9.34" x 1.87")
Net Weight	1.1 kg (2.5 lb) without HDD
Gross Weight	1.5 kg (3.3 lb)
Installation	Desktop installation

Storage	
Internal HDD	1 SATA port, up to 10 TB capacity

Environment	
Operating Conditions	-10 C to +55 C (+14 F to +131 F), 0-90% RH
Storage Conditions	-20 C to +70 C (-4 F to +158 F), 0-90% RH

Certifications	
FCC	Part 15 Subpart B
CE	CE-LVD: EN 60950-1/IEC 60950-1; CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024

Perimeter Protection	
Performance	2 channels, 10 IVS rules for each channel
Object Classification	Human/vehicle secondary recognition for tripwire and intrusion
AI Search	Search by target classification (human, vehicle)

Video and Audio	
Analog Camera Input	4 channels, BNC
HDCVI Camera Input	4K, 6MP, 5MP, 4MP, 1080p@25/30fps, 720p@50/60fps, 720p@25/30fps
AHD Camera Input	4K, 5MP, 4MP, 3MP, 1080p@25/30fps, 720p@25/30fps
TVI Camera Input	4K, 5MP, 4MP, 3MP, 1080p@25/30fps, 720p@25/30fps
CVBS Camera Input	PAL/NTSC
IP Camera Input	4+4 channels, each channel up to 8MP
Audio In/Out	1/1, RCA
Two-way Talk	Reuses audio in/out, RCA

Display	
Interface	1 HDMI, 1 VGA
Resolution	HDMI: 3840x2160, 1920x1080, 1280x1024, 1280x720; VGA: 1920x1080, 1280x1024, 1280x720
Multi-screen Display	IP extension mode off: 1/4; IP extension mode on: 1/4/8/9
OSD	Camera title, time, video loss, camera lock, motion detection, recording

Video Detection and Alarm	
Trigger Events	Recording, PTZ, tour, video push, email, FTP, snapshot, buzzer and screen tips
Video Detection	Intelligent Motion Detection, MD zones: 396 (22x18), video loss, tampering and diagnosis

Auxiliary Interface	
USB	2 USB 2.0 ports
RS485	1 port, for PTZ control

Electrical	
Power Supply	DC 12V / 2A
Power Consumption	< 7W (without HDD)

Third-party Support	
Camera Brands	Sony, Panasonic, Bosch, Honeywell, Pelco, Samsung, Canon, AXIS, Videotec, Vivotec, Arecont Vision, Dynacolor, and more