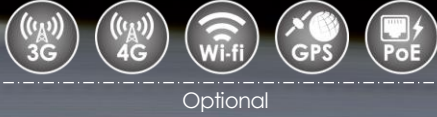


MN-1100 Pro+ Series

The World's First Linux-embedded
Wide-range Temperature 4K H/W Decode Mobile NVR



5 CH MN-1105 Pro+

Video Recording	
CH No.	Up to 5ch
Local Display Monitoring	
Modes	1, 4, 5+1, full screen, sequential

9 CH MN-1109 Pro+

Video Recording	
CH No.	Up to 9ch
Local Display Monitoring	
Modes	1, 4, 9, 5+1, full screen, sequential

12 CH MN-1112 Pro+

Video Recording	
CH No.	Up to 12ch
Local Display Monitoring	
Modes	1, 4, 9, 10, 12, 5+1/12+1, full screen, sequential

16 CH MN-1116 Pro+

Video Recording	
CH No.	Up to 16ch
Local Display Monitoring	
Modes	1, 4, 9, 10, 12, 16, 5+1/12+1, full screen, sequential

20 CH MN-1120 Pro+

Video Recording	
CH No.	Up to 20ch
Local Display Monitoring	
Modes	1, 4, 9, 10, 12, 16, 20, 5+1/12+1, full screen, sequential

25 CH MN-1125 Pro+

Video Recording	
CH No.	Up to 25ch
Local Display Monitoring	
Modes	1, 4, 9, 10, 12, 16, 20, 25, 5+1/12+1, full screen, sequential

32 CH MN-1132 Pro+

Video Recording	
CH No.	Up to 32ch
Local Display Monitoring	
Modes	1, 4, 9, 10, 12, 16, 20, 25, 30, 5+1/12+1, full screen, sequential

36 CH MN-1136 Pro+

Video Recording	
CH No.	Up to 36ch
Local Display Monitoring	
Modes	1, 4, 9, 10, 12, 16, 20, 25, 30, 36, 5+1/12+1, full screen, sequential

Main Features

- Real-time Liveview Local Display
 - 36-channel Real-time Local Display per Page
 - Support 4K UHD Hardware Decode
 - Dual or Mirror Display via HDMI/VGA
- Real-time Remote Browser Monitoring
 - Up to 36-channel of Single Server
 - Liveview Display Modes: 1,3,4,5,8,9,10,12,16,20,25,30,36, 42,49,56,64, 5+1/12+1, Full Screen and Sequential Mode
 - Built-in Mini-CMS Server (up to 256-channel)
 - Support Various Web Browsers in Windows OS
 - Quick Navigation with Dynamic E-Map
 - Multi-window Operation
- Excellent Megapixel Real-time Video Recording
 - Up to 10 Megapixel Recording Resolution
 - Camera Group Recording:
 - Assign Video Keeping Days for Each Camera
 - Support 60FPS Camera Recording and Monitoring on Local Display and Remote Browser
- Multi-channel Playback on Remote Browser
 - Maximum 16-channel Playback Simultaneously
 - Event Instant Playback on Liveview and E-Map
 - Smart Search
- Support Third Party Fleet Management System Integration via DIGIEVER SDK
- Up to 2TB Storage Capacity per HDD
- S.M.A.R.T HDD Health Monitoring
- Diverse Backup Methods
 - Export Files from Remote and Local Playback
 - Instant Export while Playback on Remote
 - One Touch USB Backup
 - Remote Backup to NAS
 - Event Backup to External FTP: Video Clip & Snapshot
 - Export File with Free-installation Video Player
- Powerful Event and Action Management
 - Detection of Device Connection Lost, External Events and Camera Motion/ IVA
 - Notification via Liveview Pop-out Window, Email, SMS, Buzzer and External Devices
- Advanced and Reliable Security System
 - Reliable Linux Security System
 - NVR Failover and System Monitoring
 - Detail Log Information
 - Flexible User Privilege Management
- Monitoring Everywhere via iOS and Android Mobile Device



Compatible Network Camera Brands and Partners

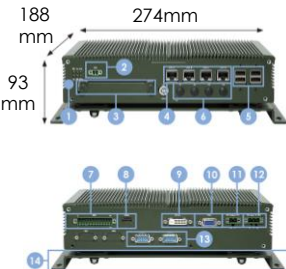


Technical Specifications

System		
Operating System	Linux-embedded	
Processor	Intel High Performance Processor	
System Memory	DDR3 SO-DIMM memory up to 8GB (Pre-install default 2GB)	
HDD Tray	Removable HDD tray design (Support SSD x 1 or 2.5" SATA 3GB/s hard drive x 1 with optional vibration kit)	
Maximum Capacity¹	Up to 2TB per HDD	
IO	LAN Port²	Gigabit x4
	Video Output	HDMI x 1, VGA x 1 (For Dual Display)
	Serial I/O	Serial ports x 2 (Function reserved)
	GPS	GPS receiver module on board
	G-sensor	Supported (ADXL 346)
	GPIO	DI x 4, DO x 4 (12V TTL selectable)
	USB 2.0	Type A x 4 (for keyboard, mouse connection)
	Power Input	3-pin Terminal Block (+, -, ignition)
	Expansion	Mini-PCIe x 2 (One with SIM card reader)
	Power Ignition Module	Supported
Others	External: SMA antenna hole x 4	
Power Input	+9~36VDC input range with ignition delay on/off control	
PoE Power Module	Internal integrated (Optional)	
Certifications	CE, FCC Class A and E13	
Compliance	<ul style="list-style-type: none"> ■ Vibration: MIL-STD-810G, method 514.6 (With optional Anti-vibration kit for 2.5" HDD) ■ Shock: MIL-STD-810G, method 516.6 (With optional Anti-vibration kit for 2.5" HDD) 	
Operating Temperature	-20 ~ 70°C / -4 ~ 158°F	
Operating Humidity	10% ~ 95% RH (Non-Condensing)	
H/W Dimensions (without anti-vibration kit)	64.8(H) x 273.8(W) x 188(D) mm 2.55(H) x 10.78(W) x 7.4(D) inch	
Operation User Interfaces	(1) Local monitoring/ setting/ playback (2) Remote Web Browsers: Windows-based Internet Explorer /Firefox /Opera / Safari in (32-bit) (3) Mobile App: Android and iOS	

Optional Module	
3G Kit	3G mini-PCIe module, 3G internal antenna conducting wire and 3G external antenna
4G Kit	4G mini-PCIe module, 4G internal antenna conducting wire and 4G external antenna
Wi-Fi Dual Band Kit	Wi-Fi mini-PCIe module, Wi-Fi internal antenna conducting wire and Wi-Fi external antenna
GPS Antenna Kit	GPS internal cable and GPS GPS antenna with conducting cable (300CM)
PoE Power Module	Easy upgrade from RJ-45 ports x 4 to PoE ports x 4 (60W PoE module, 802.11af 15.4W per port)
Anti-vibration Kit	Mounting plate and rubber bumpers (for 2.5" HDD)
Adapter (AC110~240V)	Supported

Recording	
Max. Network Throughput⁴	300Mbps
File format	AVI
Video Format	H.264, MPEG4, MJPEG, AXIS Zipstream (H.264)
Recording Modes	No recording, Event recording, Schedule recording, Always recording, Audio recording by event, Pre-event and Post-event recording
HDD Capacity Automatic Recycle	(1) Max. days of each camera (2) Total capacity percentage

Appearance	
	<ol style="list-style-type: none"> 1. LED indicators 2. Power SW (Bypass Ignition) 3. 2.5" Removable HDD tray x 1 4. Gigabit LAN x 4 5. USB 2.0 x 4 6. Antenna port x4 7. DI/DO port 8. HDMI x 1 9. DVI-D x 1 (Reserved) 10. VGA x 1 11. 12V DC power output 12. 9~36 DC power input 13. COM x2 14. Anti-vibration kit (Optional)

* All designs and specifications are subject to change without prior notice.

Note1. The standard system is shipped without HDD.
 Note2. User is advised to connect cameras and DIGIEVER mobile NVR with gigabit switch.
 Note3. E-Map, Mini-CMS Server Monitoring and Smart Search are not supported on local display.
 Note4. Maximum network throughput is varied in different environment.

Liveview	
H/W Decode Max Resolution per Channel	Hardware decode up to 8MP (4K UHD) (H.264)
H/W Decode Local Display Max. FPS in Single Page	4K UHD/ 4MP:120FPS/ Full HD:300FPS/ HD:600FPS/ D1:900FPS (H.264)
Display Capability	Dual display to display different liveview display modes on two monitors, Mirror display to display same liveview display mode on two monitors
Liveview Control	PTZ panel, PTZ Patrol, Auto Focus, Digital zoom in/out, Audio, Snapshot, Auto/Manual stream change, Event instant playback, Two way audio ⁶ , Corridor mode ⁶ and Panomorph ⁷
E-Map³	Multi-layer maps, Pop-out event window, and Event instant playback
Mini-CMS Server Monitoring³	Up to 256 channels from multiple sites
Liveview Optimization	Smart dual stream auto switch

Playback	
Multi-channel Playback⁵	Maximum 16-channel simultaneously
Multi-NVR Playback	Remotely playback recording videos up to 16-channel from multiple DIGIEVER NVRs
Recording Types	Normal, Event, Video clip, Recovery and Time overlap
Search Modes	Date, Time, Channel and Recording type
Smart Search³	Motion detection, Foreign object detection, Missing object detection, Camera tampering detection & Lose focus
Playback Control	Rewind, Slow motion, Fast forward, Frame by Frame Playback, Panomorph ⁷ and Snapshot
Backup Methods	Export Files from remote and local playback, One touch USB backup, Remote backup to NAS, Cloud backup to Dropbox, Instant export while playback videos on remote, Event backup to external FTP
Video Player	Installation-free NVRPlayer with multi-channel playback

Event & Action Management	
Event Types	Connection lost, Connection lost delay, Motion detection, Audio detection, Digital input, NVR connection lost, Recording error, UPS low power warning, Storage Threshold warning, Abnormal shutdown, External event (HTTP in), built-in digital input, CPU temperature warning, CPU fan warning, System fan warning, HDD error warning, HDD fail warning
Action Types	Alert sound, Event log history, Video pop-out window, Highlight video window, Event recording, E-Mail notification, Video clip/ snapshot via E-Mail, SMS, Buzzer alarm, Go to pre-set point, Camera digital output, SNMP trap, External IO box, Stack light, Network horn speaker, User-defined action (HTTP out), Backup to External FTP, Built-in digital output

Security Management	
User Privilege	Administrator, Power user and User
Advanced User Management	Random password sent by Email, Account expiration by assigning a specific date
System Log Information	Hardware log, System log, Event log, File access log, Current user log and Historical user log
NVR Failover	Monitor up to 4 mobile NVRs in default (Option up to 16 mobile NVRs)
IP Range Access Control	White/Black List to permit or prohibit specific IP address
Timeout Setting	Set up auto timeout period
Advanced Security	Video Watermark and Password on exported video file

Network Service	
Protocol	HTTP, HTTPS, TCP/IP, DHCP, DNS, DDNS, UPnP, FTP, NTP, SMTP, IPv6 (for NVR)
File Sharing	Windows networking and FTP service
Built-in Servers	Built-in DHCP/NTP Server

Remote Web Browser PC Requirements	
OS (32 and 64-bit)	Windows Vista / 7 / 8
CPU	< 16CH: Intel Dual Core CPU 3.0GHz or above ≥ 16CH: Intel i5/i7 CPU 3.3GHz or above
Memory	< 16CH: DDR3 4G or above ≥ 16CH: DDR3 8G or above

Note5. Multi-channel playback on remote web browsers is supported up to 16 channels and multi-channel playback on local display is supported up to 4 channels.

Note6. Camera is needed to support two-way audio/corridor mode and integrated with mobile NVR. For two-way audio, it is necessary to prepare a USB type external audio sound adapter for connecting speaker/microphone to NVR on local site.

Note7. DIGIEVER mobile NVR supports dewarping display image of ACTi, AXIS, VIVOTEK, ImmerVision Panomorph and fisheye cameras.