DIGIEVER

MN-1100 Pro+ Series

The World's First Linux-embedded

Wide-range Temperature 4K H/W Decode Mobile NVR

3G | 4G | Wi-Fi | GPS | PoE
Optional

Linux Embedded | 4K UHD H/W DECODE

intel inside

MN-1105 Pro+ (5 CH)

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

MN-1109 Pro+ (9 CH)

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

MN-1112 Pro+ (12 CH)

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

MN-1116 Pro+ (16 CH)

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

MN-1120 Pro+ (20 CH)

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

MN-1125 Pro+ (25 CH)

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

MN-1132 Pro+ (32 CH)

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

MN-1136 Pro+ (36 CH)

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 Display via HDMI/VGA
- Real-time Remote Browser Monitoring
  - Up to 36-channel of Single Server
  - Liveview Display Modes: 1,4,8,9,10,12,16,20,25,30,36, 46,49, 5+1/12+1, Full screen and Sequential mode
  - Built-in Mini-CMS Server (up to 144-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
  - 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 VMS Integration via DIGIEVER SDK
- Up to 2TB Storage Capacity per HDD
- Diverse Backup Methods
  - Export Files from Remote and Local Playback
  - Instant Export while Playback on Remote
  - USB type HDD/ DVD Backup
  - Cloud Backup to Dropbox
  - 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

Linux Embedded | HDMI/VGA Local Display | Mini-CMS Server | 2TB | 4K UHD H/W DECODE | MJPEG MPEG-4 H.264 | Remote Backup | USB Backup | Dropbox | PTZ Control | Video Encryption | Water Mark | iPhone/Android | 60FPS Cameras H/W Decode Support | Quick Configuration 5 Steps

Auto NTP Synchronize | NVR Recovery | Various Web Browsers | E-Map | Smart Search | User Privilege Management | White List Black List | Failover | E-Mail Notification | SMS | Go to Preset Point | External I/O Box | Buzzer Alarm | External Event HTTP in | User-Defined Action HTTP out

Compatible Network Camera Brands and Partners

AXIS | ACTi | fidus | Air Live | AirLog | AMTK | APPRO | AVTECH | avigilon | BASLER | belkin | BlueEyes | BOSCH | Brickcom | BUFFALO | Canon | certis | centrix | CP PLUS | CNB | D-Link

dahua | DIVIO | DYNACOLOR | ELMO | ETROVISION | EverFocus | Genie | GEOVISION | GIGAMEDIA | GRUNDIG | HDPRO | HIKVISION | hiQview | HUNT | HUVRON | iCanTek | IDIS | iMega | intelbras | JVC | KARIBKY

LG | LILIN | Linear | LINKSYS | MESSOA | NEXCOM | optimus | Panasonic | PiXORD | PLANET | PROBE | PROMETU | MOBOTIX | QIHAN | SAMSUNG | SANYO | SECUNET | SecuFirst

SHANY | SONY | SpecVision | SPRO | SUNELL | Surveon | TAKEX | TANTOS | TESCOM | TOPICA | TriClouds | TVT | UDP | vivee | VIVOTEK | YOKO | yuzo | ZAVIO | 3S

Technical Alliance

AXIS ADP Program | intel inside | Onvif | Seagate | WD | asuster

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 Capacity[1]	Up to 2TB per HDD	
IO	LAN Port[2]	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	■ 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	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 display monitoring/ setting/ playback (2) Remote Web Browsers: Windows-based Internet Explorer/ Chrome /Firefox /Opera / Safari in (32-bit) (3) Mobile App: Android and iOS	

Optional Module

3G Kit	3G mini-PCIe module, 3G internal antenna cable and 3G external antenna cable
4G Kit	4G mini-PCIe module, 4G internal antenna cable and 4G external antenna cable
Wi-Fi Single Band Kit	Wi-Fi mini-PCIe module, Wi-Fi internal antenna cable and WIFI external antenna cable
Wi-Fi Dual Band Kit	Wi-Fi mini-PCIe module, Wi-Fi internal antenna cable and Wi-Fi external antenna cable
GPS Antenna Kit	GPS internal antenna cable and GPS external antenna cable
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)
Audio Kit	MIC-in x 1 and Line out x 1 with 2 watt by terminal block
Adapter (AC110~240V)	Supported

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

Appearance

188 mm / 274mm / 65 mm

188 mm / 274mm / 93 mm

1. LED indicators
2. Power software (Bypass Ignition)
3. 2.5" 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)

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)
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-Map[3]	Multi-layer maps, Pop-out event window, and Event instant playback
Mini-CMS Server Monitoring[3]	Up to144 channels from multiple sites
Liveview Optimization	Smart dual stream auto switch

Recording

Max. Network Throughput[4]	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 (2) Total capacity percentage

Playback

Multi-channel Playback[5]	Maximum 16-channel simultaneously
Recording Types	Normal, Event, Video clip, Recovery and Time overlap
Search Modes	Date, Time, Channel and Recording type
Smart Search[3]	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 and Instant export while playback videos on remote
Video Player	Installation-free NVRPlayer with multi-channel playback

Event & Action Management

Event Types	Camera connection lost, NVR connection lost, Camera motion detection, Camera audio detection, Recording error, Redundant power supply failure, UPS low power warning, Storage threshold warning, Abnormal shutdown, External event (HTTP in) and Built-in digital input
Action Types	Alert sound, Event log notification, Video pop-out window, Highlight video window, Event recording, E-mail notification, Video clip/ snapshot via E-mail, User defined action (HTTP out), Buzzer alarm, SMS, Go to PTZ preset point, External I/O box, Camera digital output and 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 and SMTP
File Sharing	Windows networking and FTP service
Built-in Servers	Built-in DHCP/NTP Server

* 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.
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.