

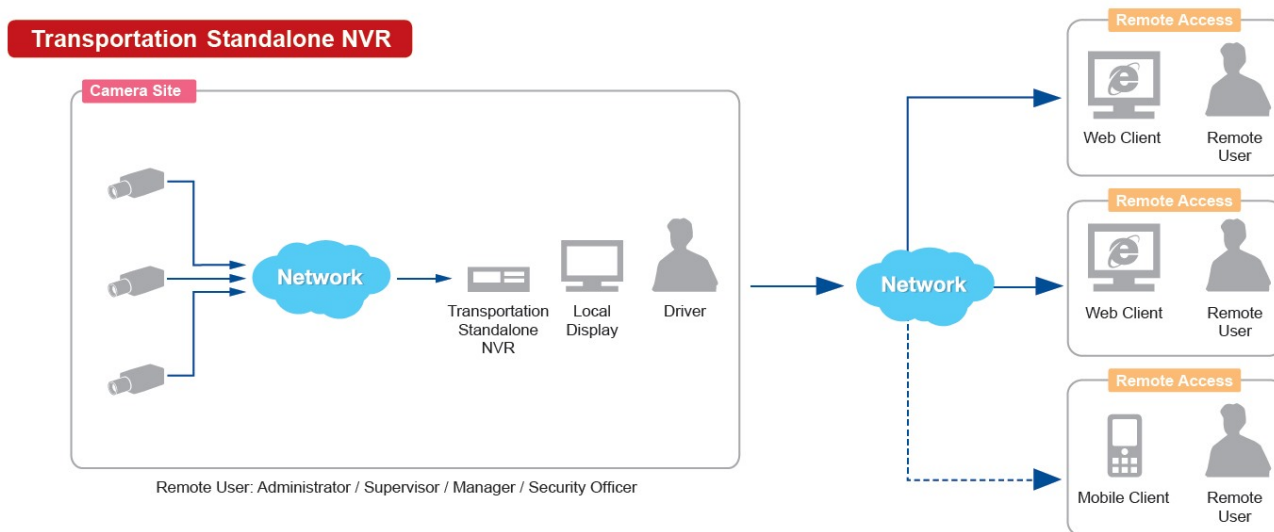
MNR-110P

4-Channel Transportation Standalone NVR with 4-port PoE Connectors



- Maximum Number of Video Devices: 4
- Free License: 4
- Built-in PoE Connectors (4 ports)
- Video export formats: RAW, AVI
- Event trigger, response and notification
- Web Client, Mobile Client
- Location-based management with e-Map

► Solution Diagram



► Specifications

Device

Product Type	Standalone NVR
Maximum Resolution	Support all ACTi cameras in all resolutions
Maximum Number of Video Devices	4

Maximum Number of Access Control and Network I/O devices	4
Maximum Number of Clients	Local: 1, Remote: 2
Supported Screen Resolution	HDMI: 1080p, 4K2K (Output 4k2k to TV monitor will be supported through future firmware upgrade.) VGA: 1080p

Hardware

CPU	Hi3536
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License

License required	No
Free License	4

Live View

Display Layout Mode	Custom dynamic layouts by grid merging
Fisheye Dewarping	Local: Yes*, Remote: Yes
Local Live View performance	Please check "Standalone NVR Performance Validator" (http://www.acti.com/SANVRPerformance)
Digital Zoom	Yes (available for remote web client)
Event Status	Display event status upon alarm or upon connection loss or recovery between server and client
Instant Playback	Instant Playback in live view window

Map

e-Map	Yes*
Google Map	Yes*

PTZ

PTZ Control	PTZ Control, Speed Control, 32 preset points
Joystick	USB based joystick supported*

Video

Compression	H.265, H.264, MJPEG
Text Overlay	Yes
Built-in Analytics	Shock detection with built-in G sensor*

Audio

Audio Type	2-way, Line-in, Line-out
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Network

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP (Server/Client), PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, SMTP, ICMP, ARP, UPnP, iSCSi, Samba, NFS, LDAP (client)
Ethernet Port	Total ports: 6 port(s) (WAN) Non-PoE: 2 port(s), Ethernet (1000 Base-T), RJ-45 connector (LAN) PoE: 4 port(s), Ethernet (10/100 Base-T), RJ-45 connector

Recording

Scheduled Recording	Yes
Event Recording	Yes

Manual Recording	Yes
Event Speed-up Recording	Yes
Dual Stream Management	Yes
Maximum Recording Throughput	300 Mbps

Search & Playback

Playback Control	Continuous forward and backward playback with speeds 0.125x/0.25x/0.5x/1x/2x/4x/8x/16x, pause, stop
Synchronized Playback	4 channels
Recording Search	Search video recordings by time, events, channels and bookmarks*
Video Export	RAW, AVI

Event

Event Trigger	[NVR]: Disk full, Disk not found, System booted successfully, Expiration of user accounts, Expiration of specific event schedule, Event action failed, S.M.A.R.T test failed. [Video Device]: Video motion detection, External device through digital input, Sound detection, Video loss, Video Recovery, Network loss and recovery, Intelligent event detection (ACTi IVS Cameras) [Extended Device]: Point-of-sale (POS) status, Network I/O status, Access Control status
Event Response	Play alert sound, Activate external device through digital output, E-mail notification with snapshots, Go to PTZ preset point or preset tour, Command other devices, Push notification

System

Permission control	Unlimited number of users, Active Directory*, Customizable permissions for user groups*, Account lockout*, Automatic logout after idle*
Client PC Operating System	Windows 10, Windows 8.1, Windows 7 SP1
Server Operating System	Embedded Linux
Mobile Client Program	Yes*
USB	4-Port USB 3.0
Language	Multi-Language

Integration

Unified Solution	Fully compatible with ACTi cameras, encoders, central management system, TV wall and intelligent video surveillance software
ONVIF Compliant	Yes, Profile S, Profile G*
Web Browser	IE 11 (Please verify that your computer meets the minimum system requirements for Internet Explorer from Microsoft website.)
Auto Firmware Upgrade	Yes*
Third-party Integration	Access Control, Network I/O

Storage

Storage Bay	SATA, Max. 2 Disk(s)
HDD Size	2.5"
Maximum Recording Capacity	1TB x2

Supported Storage

Video Recording: SATA disk, iSCSI
Export*: USB, iSCSI, Samba, NFS

Interface

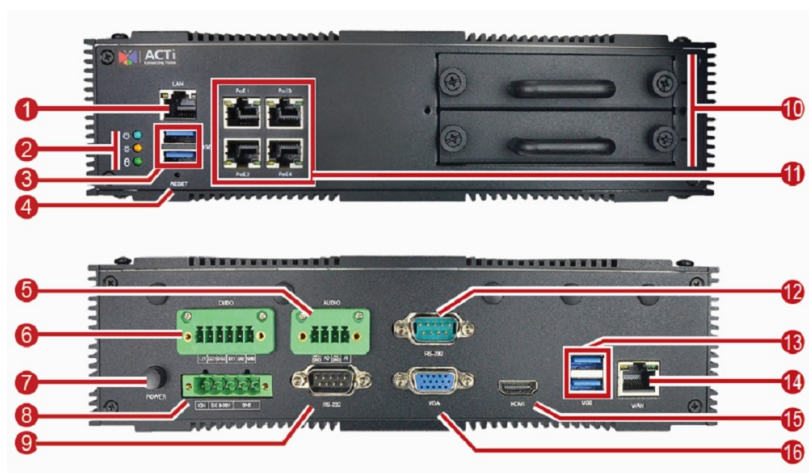
Serial Port	2 x RS-232
Wireless	mini-PCIe slot x 2 for optional Wireless modules such as Wi-Fi (IEEE 802.11b/g/n), 4G, GPS
Digital Input/Output	2/2
External Storage Interface	iSCSI
Local Access	USB keyboard & mouse
Local Display Interface	HDMI x 1, VGA x 1,

General

PoE Output	Maximum 10.08 Watts per port (the recommended maximum power consumption of supported camera is 6.25 Watts)**
PoE Power Budget	Maximum 40 W
Power Source	DC 9-36V
Dimensions	(W x H x D): 270.6mm x 72.3mm x 239mm (10.7" x 2.8" x 9.4")
Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Remote Access	Web Client, Mobile Client
Approvals	CE, FCC, EN50155
Warranty	3 Year(s)

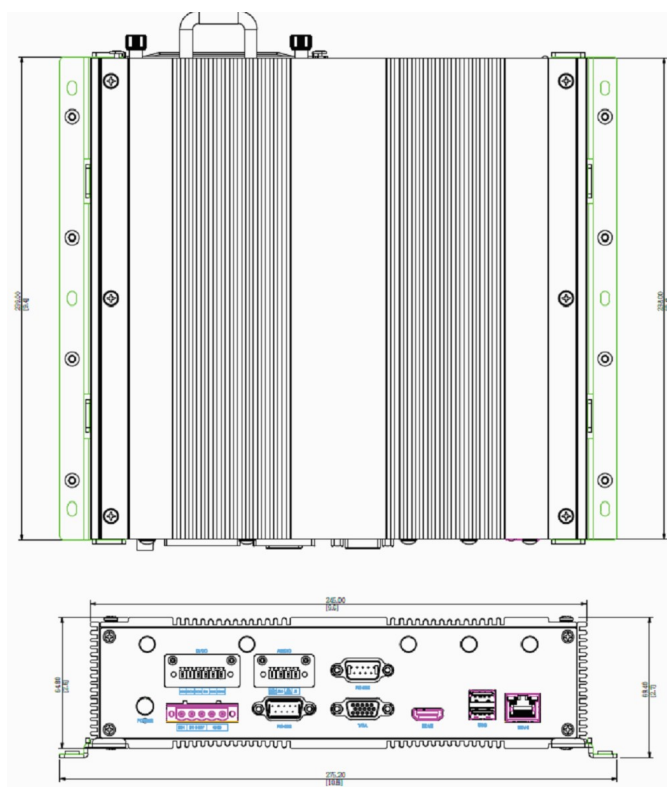
* To be available through future firmware upgrade ** Please check "Unified Solution Validator" to find the supported models (<http://www.acti.com/unifiedsolution>) *** Please test the actual performance before using in a project.

► Photo Indication



- 1 LAN Ports
- 2 LED Indicators
- 3 USB 3.0 Port
- 4 Reset Button
- 5 Audio Input / Output
- 6 Digital Input/Output
- 7 Power Button
- 8 Power Input
- 9 Serial Port
- 10 Hard Disk Bay
- 11 Power-over-Ethernet port
- 12 Serial Port
- 13 USB 3.0 Port
- 14 WAN Port
- 15 HDMI Port
- 16 VGA Port

► Dimension Diagram



Unit: mm [inch]

► Related Products

Power Supply Accessories - Power Adapter

PPBX-0018



Power Adapter

Network & Storage Peripherals - Hard Disk

PHDD-1200



WD WD10JUCT 1TB 2.5" Hard Disk Drive for Data Storage (for MNR-310, MNR-320P, MNR-330P)

Network & Storage Peripherals - Wireless Module

PWLM-0104



Advantech EWM-C117FL01E 4G LTE / 3G / 2G Wireless Module for all MNR (except MNR-310), IVS-010, ECD-200 (US)

PWLM-0202



Advantech EWM-W161H01E Wi-Fi Module for all MNR (except MNR-310), IVS-010, ECD-200

PWLM-0301



Advantech EWM-C109F6G1E GPS and 3G Wireless Module for MNR-110(P), MNR-111P, MNR-120(P), MRN-121P, MNR-130

Network & Storage Peripherals - Network IO Module

PIOB-0100



Advantech ADAM-6060 6 Digital Input and 6 Digital Output Network I/O Module

Controllers - Joystick

PJSK-0100



Apem 100-550-BLK-RF Joystick for PTZ Control (for all ENR, INR, and MNR Series)