

# MNR-110

## 4-Channel Transportation Standalone NVR



- Maximum Number of Video Devices: 4
- Free License: 4
- Event trigger, response and notification
- Web Client, Mobile Client
- Video export formats: RAW, AVI
- Location-based management with e-Map
- Hi3536, 4GB

### ► 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 VGA: 1080p

#### Hardware

CPU	Hi3536
RAM	4GB

#### 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" ( <a href="http://www.acti.com/SANVRPerformance">http://www.acti.com/SANVRPerformance</a> )
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
------------	--------------------------

**Network**

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP (Server/Client), HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, SMTP, ICMP, ARP, UPnP, iSCSi, Samba, NFS, SNMP
Ethernet Port	Total ports: 2 port(s) Non-PoE: 2 port(s), Ethernet (1000 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	Mobile device application (ACTi Mobile Client) supports Live View, PTZ Control, Event/time based search and playback, Supported device(s) iOS, Android device
USB	4-Port USB 3.0
Language	Multi-Language

## Integration

Unified Solution	Fully compatible with ACTi Cameras, Video Encoders, Central Management System*, TV Wall Server*, Intelligent video surveillance software
ONVIF Compliant	Yes, Profile S
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

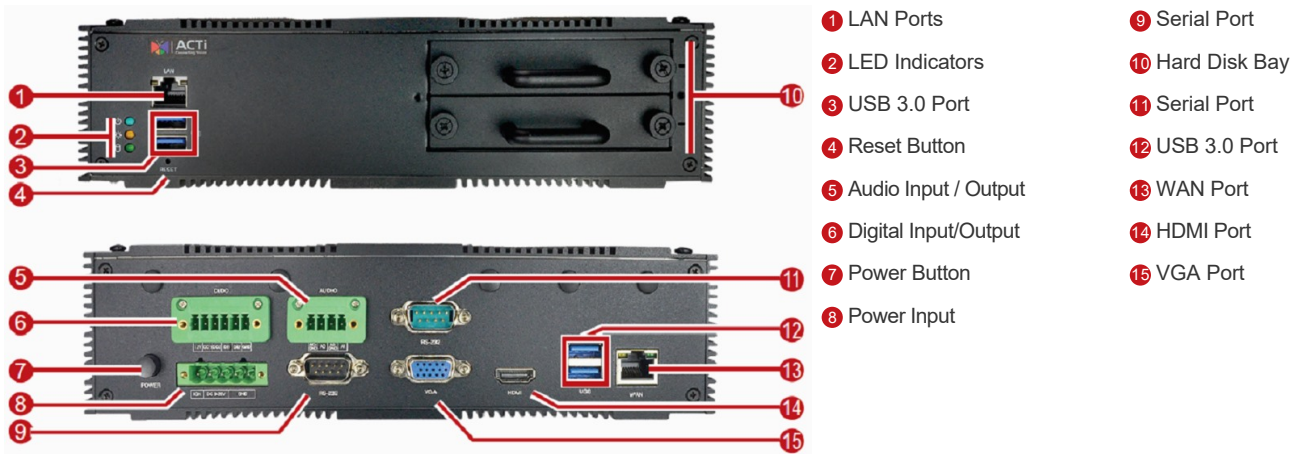
Serial Port	2 x RS-232
Wireless	mini-PCIe slot x 2 for optional Wireless modules such as Wi-Fi (IEEE 802.11b/g/n), 4G, GPS
Digital Input/Output	2/2
External Storage Interface	iSCSI
Local Access	USB keyboard & mouse
Local Display Interface	HDMI x 1, VGA x 1,

**General**

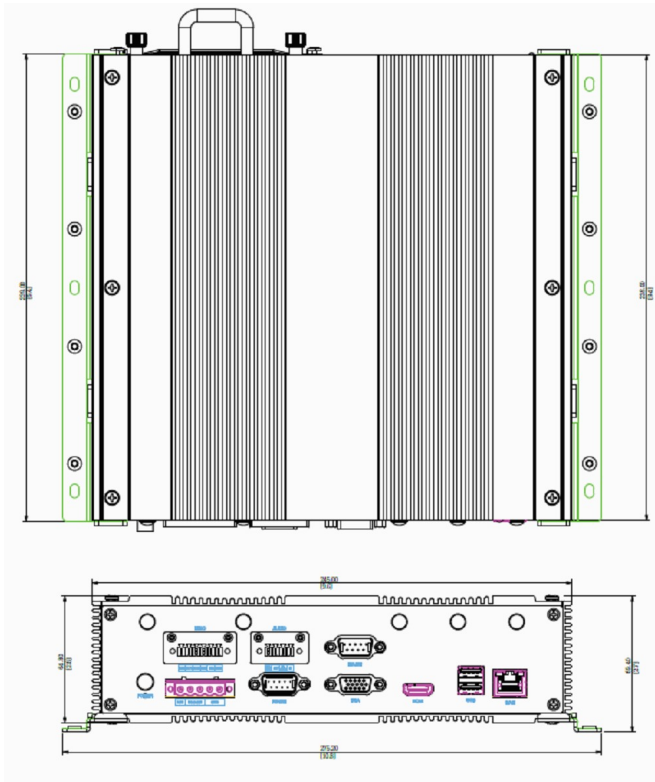
Power Source	DC 9-36V, adapter not included
Weight	3000g (6.614lb)
Dimensions	(W x H x D): 270.6mm x 72.3mm x 239mm (10.7" x 2.8" x 9.4")
Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Remote Access	Web Client, Mobile Client
Approvals	CE, FCC, EN50155
Warranty	3 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>

\* 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




## ► Dimension Diagram




Unit: mm [inch]

## ▶ Related Products





### Power Supply Accessories - Power Adapter

PPBX-0018		Power Adapter AC 100~240V (DC 19V Output) for MNR-110, MNR-110P, MNR-111P, MNR-120, MNR-120P, MNR-121P, MNR-130
-----------	---	---


### 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-0106		4G LTE / GPS Wireless Module for MNR-110(P), MNR-111P, MNR-120(P), MNR-121P, MNR-130 (North America)
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), MNR-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)
-----------	---	---