

MNR-330P

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



- 16 channels, 16 Free Licenses
- Storage Bay(s)
- SATA, iSCSi, USB
- Transportation Standalone NVR
- Windows 7 Embedded
- 4-Port PoE
- Intel Core i5-4300U
- HDMI x 1, VGA x 1,
- Workstation, Web Client, Mobile Client
- Forensic Search, Event Search, Smart Search, Metadata Search
- Object Visual Tracking

► Specifications

Product Profile

Product Type	Standalone NVR
Maximum Resolution	Support all ACTi cameras in all resolutions
Maximum Number of Video Devices	16
Maximum Number of POS devices	16 (requires additional license)
Maximum Number of Access Control and Network I/O devices	16 (requires additional license)
Maximum Number of Clients	Local: 1, Remote: 3

Hardware

CPU	Intel Core i5-4300U
RAM	8GB

License

Free License	16 (16 channels for ACTi and 1 channel for third-party video device)
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Live View

Display Layout Mode	Local:1, 3, 4, 5, 6, 8, 9, 10, 12, 16 Remote:1, 3, 4, 5, 6, 8, 9, 10, 12, 16, 18, 24, 25, 35, 36, 48, 49, 64, Custom
Fisheye Dewarping	Yes (Live View, Playback, Export)

Local Live View performance	Please check "Standalone NVR Performance Validator" (http://www.acti.com/SANVRPerformance)
Digital Zoom	Yes
Event Status	Display event status upon alarm or upon connection loss or recovery between server and client or when the allocated disk space is full
Instant Playback	Instant Playback in live view window
Embedded websites in Live View	Display and connect to pre-configured embedded website

Map

e-Map	Yes
Setup	e-Map image upload, Google maps settings and preset management, camera positioning, vision angle and pointed direction of camera, view positioning, source positioning, extended devices for Point-of-sale (POS), Access Control, Network I/O, Car Park

PTZ

PTZ Control	PTZ Control, Speed Control, 32 preset points
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Video

Compression	H.265, H.264, MPEG-4, MJPEG
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Analytics

Analytics from Camera	Receive analytics based events from the cameras and respond to the events: Face Detection; Smart Motion Detection (People Detection, Vehicle Detection); Smart Intrusion Protection (Intrusion Detection, Line Crossing Detection, Enter Area Detection, Exit Area Detection); People Counting (People Line Counting, People Area Counting, People Flow Counting, Crowd Detection); Object Metadata; Object Recognition; Temperature Detection (Fire Detection, Smoking Detection, Smoke Detection, Temperature Measurement); Traffic Monitoring
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Audio

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

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP Client, HTTP, DNS, NTP, RTP, RTSP, SMTP, FTP, ICMP, ARP, UPnP, 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
Wireless	Built-in GPS, mini-PCIe slot x 4 for optional Wireless modules such as Wi-Fi (IEEE 802.11b/g/n), 4G

Recording

Scheduled Recording	Yes
Event Recording	Yes
Manual Recording	Yes
Event Speed-up Recording	Yes
Dual Stream Management	Yes
Maximum Recording Throughput	192 Mbps

Search & Playback

Playback Control	Continuous forward and backward playback with speeds 1x/2x/4x/8x/16x or frame-by-frame, pause, stop
Synchronized Playback	4 channels (Local), 16 channels (Remote)
Recording Search	Search video recordings by time, events, channels, bookmarks, notifications and listed as clickable time-based thumbnails for full-size view and snapshot download
Event Search	Search within previously recorded AI events
Smart Search	Set ROI and look for the people and vehicles appearing in the ROI in the past recordings (requires cameras with Smart Motion Detection feature)
Forensic Search	Select target object (people, vehicle) and search for the similar object through all the channels
Metadata Search	Select attribute filters (color, gender, age, etc) and find thumbnails matching the criteria
Object Visual Tracking	View thumbnails generated by Forensic Search and playback by time sequence
Video Export	RAW, AVI, EXE

Event

Event Trigger	[NVR]: Disk full, Disk not found, Disk is available, Schedule service start and stop, Video Push start and stop, CPU limit exceeded, [Video Device]: Video motion detection, Passive IR sensor, External device through digital input, Sound detection, Intelligent event detection, Video Push start and stop, Video loss, Video Recovery, Network loss and recovery, [Extended Device]: Point-of-sale (POS) status, Network I/O status, Access Control status, Car park status
Event Response	Pop-up window with live video and event confirmation activation, Switch to hotspot window, Switch to customize view, Command a PTZ device to go to a preset point, Play alert sound, Activate external device through digital output, Execute system command to activate other programs, Upload video or snapshot to FTP server, E-mail notification with snapshots, Push notification

Redundancy Server

Redundancy Service	Yes, N+1 (With limited functions when NVR 3 server acts as Redundancy server)
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System

Permission control	Unlimited number of users, Active Directory, Customizable permissions for user groups, Account lockout, Automatic logout after idle, Playback password protected, Password validity period
Watchdog	Support
Server Operating System	Windows 7 Embedded
Client PC Operating System	Windows 7 SP1, Windows 8.1, Windows 10, Windows Server 2008 R2 SP1, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
Server and Client PC requirements	Please use https://www.acti.com/pcselector For client PC requirements, please check the Performance: Live View section.
Mobile Client Program	Mobile device application (ACTi Mobile Client) supports Live View, PTZ Control, Video Push, Event/time based search and playback, Supported device(s) iPhone, Android device

Integration

Unified Solution	Fully compatible with ACTi cameras, encoders, central management system, TV wall and intelligent video surveillance software
CMS Support	Yes (ACTi CMS 2)

GPS Position	Manual setting
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.)
Third-party Integration	Point of Sale (POS), Access Control, Network I/O, Parking Management Station (PMS), (Various optional integrations requiring additional license)

Storage

System Drive	mSATA SSD, 64GB
Storage Bay	SATA, Max. 1 Disk(s) (without storage disks)
HDD Size	2.5"
Maximum Recording Capacity	1TB x1
RAID Level	No
Supported Storage	Video Recording: SATA disk, iSCSI Video Exporting: iSCSI, USB

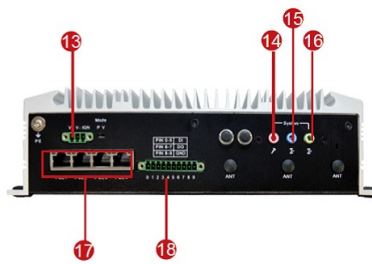
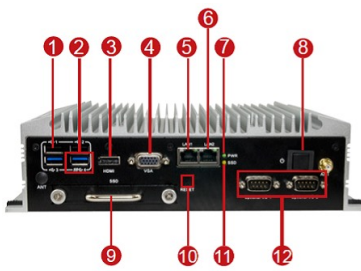
Interface

External Storage Interface	USB
Local Access	USB joystick, keyboard & mouse
Local Display Interface	HDMI x 1, VGA x 1,

General

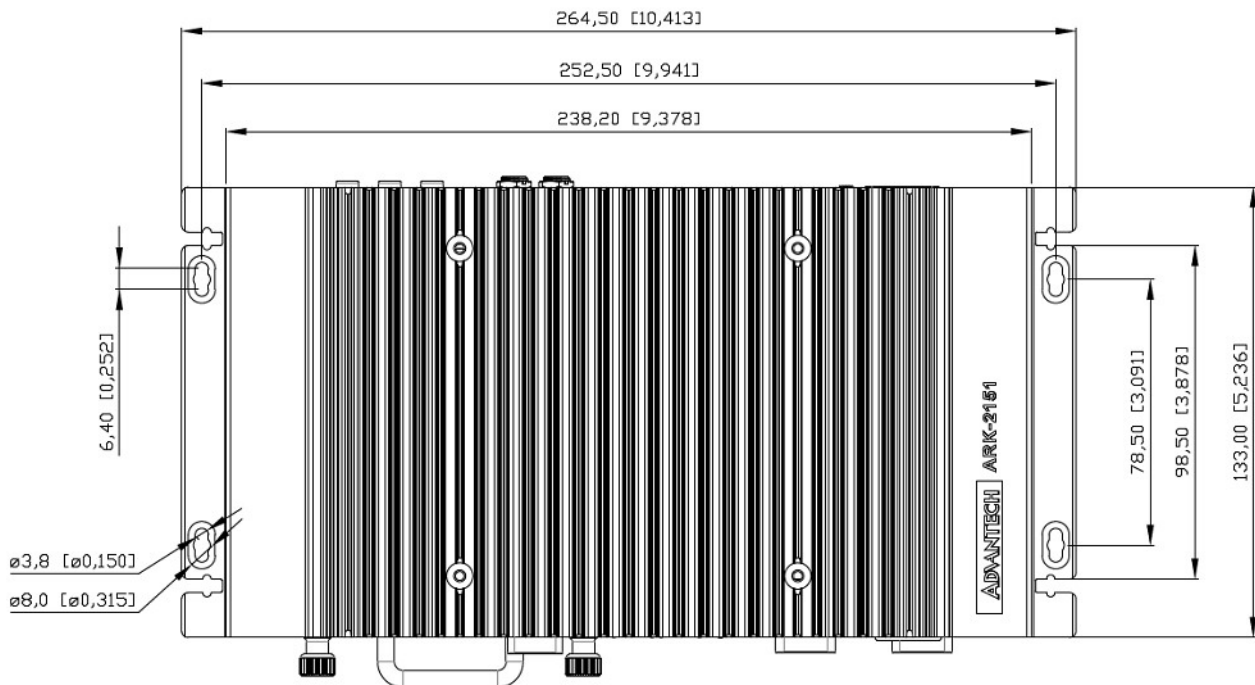
PoE Output	Maximum 15.4 Watts per port
PoE Power Budget	Maximum 30 W
Power Source	DC 12V, DC 9-36V, adapter not included
Weight	2779g (6.127lb)
Dimensions	(W x H x D): 264.5mm x 75.1mm x 133mm (10.41" x 2.95" x 5.23")
Bundled Accessories	GPS Active Antenna with 5M Cable and SMA Connector
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F)
Remote Access	Workstation, Web Client, Mobile Client
Approvals	CE, FCC, UL, CCC, BSMI, E-Mark
Warranty	2 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

▶ Photo Indication



- 1 USB 2.0 Ports
- 2 USB 3.0 Port
- 3 HDMI Port
- 4 VGA Connector
- 5 LAN 1 Port
- 6 LAN 2 Port
- 7 Power Status LED
- 8 Power Switch
- 9 HDD Trays
- 10 Reset Button
- 11 HDD Activity LED
- 12 Serial Port
- 13 Power Connector
- 14 Audio Mic-in
- 15 Audio Line-in
- 16 Audio Line-out
- 17 PoE Ports
- 18 Digital Input/Output

▶ Dimension Diagram



Unit: mm [inch]

▶ Related Products

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)

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)