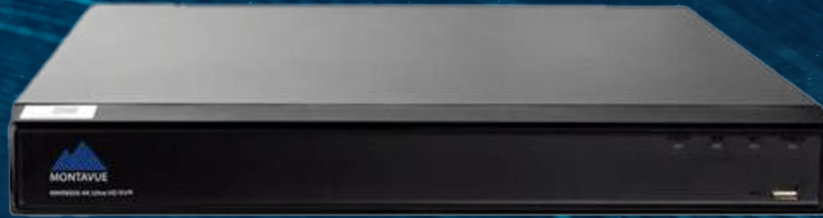
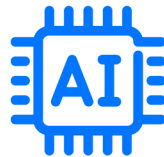


4K
 ULTRA HD


FEATURES



Local Expandable Storage
 No Hidden Storage Fees



Supports AI Camera Features
 Human & Vehicle Detection



Intelligent Video Surveillance
 Tripwire, Intrusion, Motion



High Efficiency Video Coding
 50% Better Data Compression

4K Ultra HD NVR With H.265 Encoding Technology

This 4K 16 Channel NVR utilizes the latest H.265 encoding technology to record 4K 15fps video. Intelligent Video Surveillance features (IVS) can allow you to monitor areas very precisely and efficiently, so you are only alerted when you want to be. You can know exactly when someone or object crosses an invisible line, leaves or enters a space, and more. Use the Smart Search feature to quickly review IVS events by camera date and time. This will give you a series of single images of IVS events allowing you to quickly review all of the events that happened throughout the day without having to watch hours of video footage. Remote viewing is also a breeze with our free MontavueGO app for Android and Iphone. Watch live footage, get push notifications and more.

Local Storage - No Fees

- Multiple Storage bays gives you room to expand
- Local Storage keeps your footage private and secure
- Built-in Surveillance Grade hard drive included
- Local Storage means no monthly cloud storage fees

MontavueGO - Mobile app

- View live camera feeds from your phone
- Receive push notifications for motion & IVS events
- Easily send video clips to others

Intelligent Video Surveillance

- Allows for more precise monitoring
- Multiple rule types-Tripwire,Intrusion & more (see camera)
- Works with 4K 15fps cameras
- Available options will vary depending on camera model

High Efficiency Encoding -HEVC H.265

- Better data compression at the same level of quality
- Smaller files means you can store more footage
- Improves remote viewing by reducing data rates

Product Specifications

System

Main Processor	Industrial-grade embedded processor
Operating System	Embedded LINUX

Audio & Video

IP Camera Input	16 Channels, 16 poe ports
Two-Way Talk	1 Channel input, 1 Channel output, RCA

Display

Interface	1 HDMI (up to 3840 x 2160), 1 VGA
Resolution	3840 x 2160, 1920x1080 (default), 1280x1024, 1280x720, 1024x768
Multi-Screen Display	yes 1/4/8/9.16 views
On Screen Display	Camera title, Time, Video loss, Camera lock Motion detection, Recording

Recording

Compression	Smart H.265+/H.265/Smart h.264+/H.264/MJPEG (must be supported by cam)
Resolution	8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 1.3MP, 720p, D1 etc. (will be dependent on cam)
Decoding Capability	8 x 1080p@30 fps
Bit Rate	Access & Storage: 160 Mbps; Forward: 64 Mbps
Record Mode	Manual, Schedule (Regular, MD, IVS, Alarm) Stop
Record Interval	1-120 mins (default: 60min), Pre-record 1-30sec, Post-record 10-30sec

Video Detection & Alarm

Anomaly Alarm	Camera disconnection, storage error, disk full, IP conflict,
Intelligent Alarm	Face detection, intrusion and tripwire, people counting, heat map, SMD (See Camera)
Alarm Input	4
Relay Output	2

Playback & Backup

Sync Playback	1/4/8/16
Search Mode	Time/Date, Alarm, MD and Smart Search
Playback Function	1. Play/pause/stop/slow/quick/backward/by frame/Full screen, backup (video clip/file), partial zoom in, and audio on/off
Backup Mode	USB storage device

Network

Interface	RJ-45 Ports
Ethernet Port	1 x RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port
PoE	16 ports Max 25.5W per port, 117W in total
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, DDNS, FTP, Alarm Server, IP Search, P2P, auto reg.
Max. User Access	128 users
Smart Phone	MontavueGo app, iPhone, Android, iPad
Interoperability	ONVIF (profile T/S/G); RTSP; CGI; SDK

Storage

Internal HDD	2 SATA III ports, up to 10 TB for a single HDD
HDD Mode	Single
eSATA	N/A

Auxiliary Interface

USB	2 (1x front USB2.0 1 x back USB2.0)
RS232	1 Port
RS485	N/A

Electrical

Power Supply	100 V-240 V, 47 Hz-63 HZ, 3.5 A
Power Consumption	< 10 W (HDD not included, idling)
Cooling Fans	1 power supply

Operating Conditions

Operating Conditions	-10 °C to +55 °C (+10 °F to +131 °F)
Storage Conditions	0 °C to +40 °C (32 °F to 104 °F)

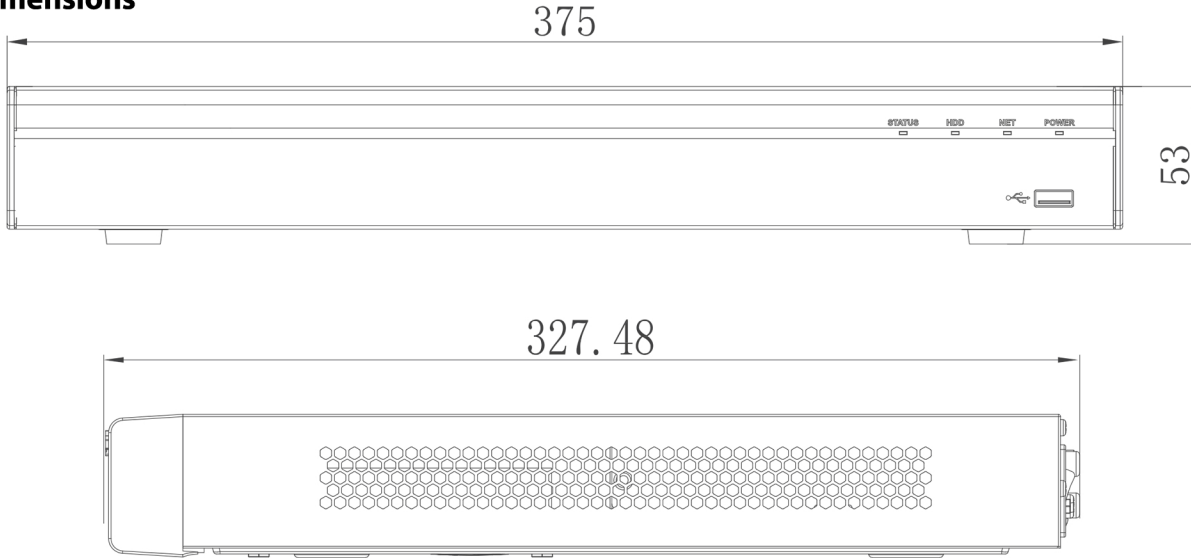
Weight & Dimensions

Dimensions	375mm x 327.4 mm x 53.8 mm (14.76" x 12.89" x 2.12") (WxLxH)
Net Weight	2.63 kg (5.80 lb) (without HDD)
Gross Weight	3.91 kg (8.62 lb)
Installation	Free Standing

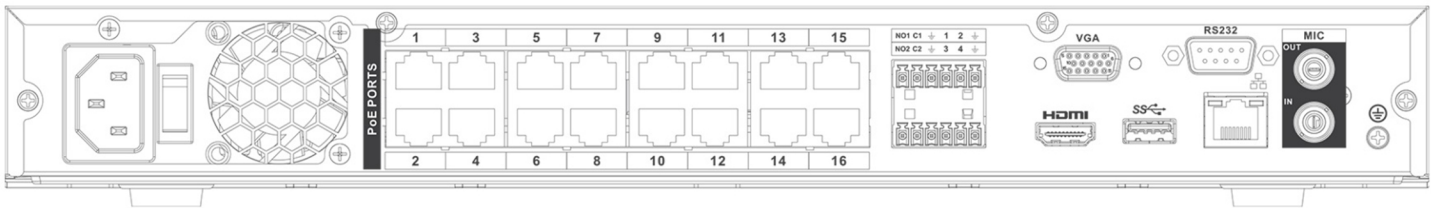
Model Information

MNR8163-16 16-Channel 4K NVR with 3TB HDD

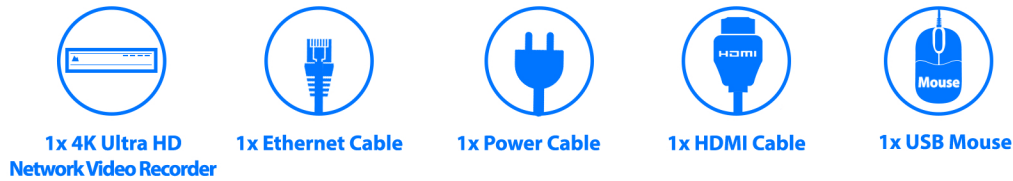
Dimensions



Back Panel



What's in the box



Disclaimers:

1. 4K (8MP) IP Cameras are required for 4K recordings.
2. AI enabled cameras are required to take advantage of AI functions such as Human and Vehicle detection.
3. The accuracy of human and vehicle detection will vary depending on multiple factors, such as the objects distance from the camera, size, height and mounting angle of the camera. Night vision will also affect the accuracy of detection.
4. Remote viewing of security cameras requires a high-speed internet connection. The NVR must be hard wired to a router and does not support wifi. A minimum upload speed of 4Mbps or greater is recommended for best results. Network security measures implemented by you or your internet service provider may affect or prevent p2p remote viewing and will need to be addressed by you or your ISP.
5. HDMI output supports up to 4K @60fps the default output is 1080p. Image quality and resolution when viewing on a monitor or tv is dependent on the resolution of the the monitor or tv resolution as well as the resolution of the camera. Also note that not all 4K monitors will support 4K@60fps. If you change the NVR to a resolution not supported by your monitor you will have to log in via web browser to fix this.