

# MNR-18N16000A

SKU: 234748



Hybrid HD Video Recorder 16-channel analogue,  
8-ch. IP HDMI, 2xSATA, w/o HDD

## Main Features

16-channel pentaplex multisignal recorder	PTZ control via coaxial (UTC)
Supports IP, HD-TVI, AHD, CVBS signals	Audio/Alarm inputs and outputs
Max. 24 channels (16x analog + 8x IP)	USB 2.0, eSATA and RS-485 interface
Recording speed 160fps@8MP, 240fps@5MP, 480fps@2MP	Compression methods: H.264, H.265
Monitor outputs HDMI (4K), VGA and spot monitor CVBS	Remote access via app, browser and CMS
Maximum 2 internal HDDs possible	USB mouse included

## Specifications

General:	
EAN/GTIN	4260229840269
Dimensions (HxWxD)	380x340x50mm
Control units (external)	mouse
Series	eneo IN-Series
Housing	Metal/Plastic
Color	black
Blower	no
Max. internal HDD capacity	20 TB
Internal HDD capacity	0 TB
Integrated writer	no

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## Continuation of the specifications

HDD slots	2x SATA
RAID	n/a
19" rack mount	no
Supply voltage	12VDC
Power consumption	20W, without HDD
Operating temperature	0°C ~ +40°C
ONVIF	ONVIF Profile S, yes
Weight	2.3kg
Recording:	
Recording	permanent,movement,event>manual,AI
Recording speed	160 fps @ 3840x2160,240 fps @ 2592x1944,320 fps @ 2592x1520,480fps@1920x1080
Post-alarm recording	up to 5min.
Pre-alarm recording	up to 5sec.
Max. recording resolution	3840x2160
Recording rate max.	@1920x1080
Operation mode	Pentaplex
Display:	
Live display	160fps @ 3840x2160,240fps @ 2592x1944,320fps @ 2592x1520,480fps @ 1920x1080
Video standard	PAL/NTSC
Zoom functions	in full screen mode (live and playback operation)
Playback	16 channel split, 4 channel split, 8 channel split, full screen
Functions:	
Alarm triggers	contact,AI,motion detection,video loss,disk error
Alarm notification	e-mail notification,alarm output,Live Popup,Buzzer,FTP,PTZ Preset,remote software,Spot Popup,Push (Mobile)
Motion detector	Free selectable areas
Covert camera mode	yes
Menu languages	English,German,French,Spanish,Italian,Russian,Portuguese,Polish,Turkish,Romanian,Danish,Dutch,Finnish,Bulgarian,Greek,Japanese,Korean,Thai,Arabic,Hebrew,Hindi
Mobile access	iPhone,Android OS
Password protection	administrator & users
Search function	date/time,event,text,Thumbnail,Instant Playback
Time synchronization	NTP
HDD hotswap	no
Analysis functions	Additional functions depending on connected IP camera, Audio detection, Human&Vehicle Detection (PD&VD), Line Crossing Detection (LCD), Perimeter Intrusion Detection (PID), The recorder hardware (on board) provides the following analysis functions for analog cameras

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## Continuation of the specifications

Remote access	Microsoft Internet Explorer, remote software
Parts supplied:	
Parts supplied	PSU,HDD assembly-kit,mouse,RCA Cable,manual
Network:	
Network protocols	TCP/IP,DHCP,RTP,SMTP,NTP,HTTP,HTTPS,FTP,DNS,UPnP,DNS,RTSP,SNMP
Network	100/1000 Base-T, RJ45
Data tranfer rate max.	256 Mbps
Data transfer rate outgoing	192 Mbps
Data transfer rate incoming	64 Mbps
Interfaces / Inputs/ Outputs:	
Interfaces external storage	1x NetHDD (SMB,NFS),Google Drive 2 channels,Dropbox 2 channels, 1x eSATA, USB
Serial interfaces protocols	Pelco D,coax2,Pelco P,coax1
Video inputs	BNC-female,automatic resolution and signal detection
Video inputs (amount)	16
Channels total	24
IP channels	8 (24 IP only)
Main video outputs	HDMI (4K), VGA
Spot monitor	composite (CVBS)
Alarm inputs	16
Alarm outputs	1
Audio inputs	16, RCA,16
Serial interfaces	Coaxitron (HD Protocol), RS-485
Audio output	RCA
Video:	
Compression	H.264, H.265
Signal format	AHD @ 8MP, Composite (FBAS), HD-TVI @ 8MP, IP @ 8MP
Other	
Remarks	NDAA compliance under Section 889,To record the maximum possible number of IP and HD analogue channels, two hard disks must be installed.,Note: For two freely definable channels, the alarm recording can be saved in the cloud.,To guarantee you an optimum user experience, we recommend that you only use components of the same brand in a system. If several brands are used in combination, eneo cannot guarantee functionality. If combined use is necessary, we offer a compatibility check for a fee (for more information, see article number #229235 at VIDEOR).
Special features	Channels can be assigned with IP or different HD / SD signal formats (mixed operation possible)

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Continuation of the specifications

Operating system	Linux
Manufacturer order number	234748

## Optional Accessory

SKU	Name	Description
234989	eneo INsight	Control software for recorder IN- and MN-series
236197	eneo INsight Evidence Locker	For the research of HDD's for recorders of IN-series
236196	eneo INsight Evidence Player	For replay of exported data for recorder IN-series IN-Serie
234990	eneo INsight mobile	Mobile App for recorder IN- and MN-series
217658	HDD-2000SATA Purple	Hard Disk Drive 2TB, SATA, for eneo Video Recorders, expansion
217657	HDD-3000SATA Purple	Hard Disk Drive 3TB, SATA, for eneo Video Recorders, expansion
217659	HDD-4000SATA Purple	Hard Disk Drive 4TB, SATA, for eneo Video Recorders, expansion
217660	HDD-6000SATA Purple	Hard Disk Drive 6TB, SATA, for eneo Video Recorders, expansion



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