



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

Series	eneo IN-Series
Video:	
Signal format	HD-TVI @ 8MP, Composite (FBAS), AHD @ 8MP, IP @ 8MP
Compression	H.264, H.265
Display:	
Playback	full screen, 4 channel split, 8 channel split, 16 channel split
Zoom functions	in full screen mode (live and playback operation)
Live display	160fps @ 3840x2160, 240fps @ 2592x1520, 320fps @ 2592x1520, 480fps @ 1920x1080
Video standard	PAL, NTSC (Auto detection)

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Continuation of the specifications

Recording:	
Operation mode	Pentaplex
Max. recording resolution	3840x2160
Recording speed	160 fps @ 3840x2160, 240 fps @ 2592x1944, 320 fps @ 2592x1520, 480fps@1920x1080
Recording rate max.	480 fps, @1920x1080
Recording	permanent, movement, event, manual, AI
Pre-alarm recording	up to 5sec.
Post-alarm recording	up to 5min.
Functions:	
Motion detector	Free selectable areas
Analysis functions	audio detection, The recorder hardware (on board) provides the following analysis functions for analog cameras, obstruction detection, intrusion, Line detection, Object classification (person / vehicle), face recognition, Additional functions Depending on connected IP camera
Alarm notification	e-mail notification, alarm output, Live Popup, Buzzer, FTP, PTZ Preset, remote software, Spot Popup, Push (Mobile)
Alarm triggers	contact, motion detection, video loss, disk error, AI
Password protection	administrator & users
HDD hotswap	no
Menu languages	English, German, French, Spanish, Italian, Russian, Portuguese, Polish, Turkish, Romanian, Danish, Dutch, Finnish, Bulgarian, Greek, Japanese, Korean, Thai, Arabic, Hebrew, Hindi
Remote access	Microsoft Internet Explorer, remote software
Mobile access	iPhone, Android OS
Search function	date/time, event, text, Thumbnail, Instant Playback
Time synchronization	NTP
Covert camera mode	yes
Network:	
Network	100/1000 Base-T, RJ45
Network protocols	TCP/IP, DHCP, RTP, SMTP, NTP, HTTP, HTTPS, FTP, DNS, UPnP, DNS, RTSP, SNMP
Data transfer rate max.	256 Mbps
Data transfer rate incoming	64 Mbps
Data transfer rate outgoing	192 Mbps
Interfaces / Inputs/ Outputs:	
IP channels	8 (24 IP only)
Channels total	24
Video inputs	BNC-female, automatic resolution and signal detection
Video inputs (amount)	16

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Continuation of the specifications

Main video outputs	HDMI (4K),VGA
Spot monitor	composite (CVBS)
Interfaces external storage	USB, 1x eSATA, 1x NetHDD (SMB,NFS),Google Drive,Dropbox
Alarm inputs	16
Alarm outputs	1
Audio inputs	16, RCA
Audio output	RCA
Serial interfaces	RS-485,Coaxitron (HD Protocol)
Serial interfaces protocols	Pelco D,coax2,Pelco P,coax1
Operating system	Linux
General:	
Dimensions (HxWxD)	380x340x50mm
Weight	2.3kg
19" rack mount	no
HDD slots	2x SATA
Control units (external)	mouse
Colour	black
Internal HDD capacity	0 TB
Max. internal HDD capacity	20 TB
Housing	Metal/Plastic
Integrated writer	no
Power consumption	20W,without HDD
Blower	no
ONVIF	yes,ONVIF Profile S
RAID	n/a
Operating temperature	0°C ~ +40°C
Parts supplied:	
Parts supplied	manuals,PSU,HDD assembly-kit,mouse,RCA Cable
Remarks	NDA compliance under Section 889, Part A.,To record the maximum possible number of IP and HD analogue channels, two hard disks must be installed.
Special features	Channels can be assigned with IP or different HD / SD signal formats (mixed operation possible)

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

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Continuation of accessory

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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