



# MHR-28N16005A

SKU: 230040



Hybrid HD Video Recorder, 16-ch. analogue, 480fps, HDTVI AHD, IP, 2xSATA, HDMI, w/o HDD

## Main Features

16-Channel Pentaplex Multisignal Recorder	PTZ control via coax (UTC)
IP, HD-TVI, AHD, CVBS signals supported	Audio/Alarm In- and Output
Max. 16-Channel (e.g., 16x IP or 16x analogue)	USB 2.0 and RS-485 interface
Recording speed IP 240fps@8MP, 240fps@5MP, 480fps@2MP	Supports ONVIF Profile S devices
Monitor output HDMI (4K), VGA and Spot CVBS	Remote access via App, Browser and CMS
H.265, H.264 video compression standard	IR remote control and USB-Mouse included

## Specifications

Video:	
Signal format	IP @ 8MP, HD-TVI @ 8MP, Composite (FBAS), AHD @ 8MP
Compression	H.264, H.265
Display:	
Playback	full screen, 4 channel split, 9 channel split, 16 channel split, 32 channel split
Zoom functions	in full screen mode (live and playback operation)
Live display	3840x2160, 1920x1080, 1280x720, 1024x768, max. 480fps
Video standard	PAL/NTSC
Recording:	

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## Continuation of the specifications

Operation mode	Pentaplex
Max. recording resolution	3840x2160
Recording speed	128 fps @ 3840x2160 Analog, 160 fps @ 2560x1920 Analog, 240 fps @ 2560x1440 Analog, 288 fps @ 1984x1488 Analog, 480 fps @ 1920x1080 Analog, 240 fps @ 3840x2160 IP, 240 fps @ 2560x1920 IP, 480 fps @ 2560x1440 IP, 480 fps @ 1984x1488 IP, 240 fps @ 1920x1080 IP
Recording rate max.	480 fps, @1920x1080
Recording	permanent, timer, movement, contact, PoS-Text, panic
Pre-alarm recording	up to 15sec.
Post-alarm recording	up to 180sec.
Functions:	
Motion detector	Free selectable areas
Alarm notification	e-mail notification, alarm output, Live Popup, Buzzer, FTP, PTZ Preset
Alarm triggers	contact, motion detection, video loss, PoS-Text, system error, Panic Record
Password protection	administrator & users
Digital signature	watermark
HDD hotswap	no
Menu languages	English, German
Remote access	Microsoft Internet Explorer, remote software
Mobiel access	iPhone, Android OS
Search function	date/time, event, calendar, text, Thumbnail, Instant Playback, bookmark
Time synchronization	NTP
Covert camera mode	yes
Patrol mode	yes
Network:	
Network	10/100/1000 Base-Tx, RJ45
Network protocols	TCP/IP, DHCP, IPv4, IPv6, RTP, RTCP, SMTP, NTP, HTTP, HTTPS, FTP, DDNS, UPnP
Data transfer rate max.	192 Mbps
Data transfer rate incoming	96 Mbps
Data transfer rate outgoing	96 Mbps
Interfaces / Inputs/ Outputs:	
IP channels	16
Channels total	16
Video inputs	BNC-female, automatic resolution and signal detection
Video inputs (amount)	16
Main video outputs	HDMI (4K), VGA
Spot monitor	composite (CVBS)

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## Continuation of the specifications

Interfaces external storage	USB
Alarm inputs	16x TTL, programmable as NC/NO
Alarm outputs	1x NO/NC contact
Audio inputs	4, RCA
Audio output	RCA,HDMI
Serial interfaces	RS-485,Coaxitron (HD Protocol)
Serial interfaces protocols	Fastrax IIE,Pelco D,Pelco P,UTC (HD-Signal Format)
Operating system	Linux
<b>General:</b>	
Dimensions (HxWxD)	44x380x314,6mm
Weight	2,6kg
19" rack mount	yes
Control units (external)	mouse,remote control
Colour	anthracite / black
Internal HDD capacity	0 TB
Max. internal HDD capacity	32 TB
Housing	Metal/Plastic
Integrated writer	no
Power consumption	16W
Blower	yes
ONVIF	Supported IP Cameras - ONVIF Profile S
RAID	n/a
Operating temperature	0°C ~ +40°C
<b>Parts supplied:</b>	
Parts supplied	manuals,IR remote controller,PSU,HDD assembly-kit,mouse,19" rack mount angle
Special features	16 universal analogue inputs.,The existing analogue channels support SD & HD signal standards for connecting analogue cameras or serve as defined IP channels for connecting IP cameras.,(Examples: 8x IP + 8x analogue; 10x IP + 6x analogue; 16x IP; or 16x analogue)

## Optional Accessory

SKU	Name	Description
230302	eneo Control	Control Software for Hybrid HD Video Recorder MHR-Series
230303	eneo Control mobile	Mobile App for Hybrid HD Video Recorder MHR-Series
218218	eneo Site Manager	Management Software for eneo IP products
217658	HDD-2000SATA Purple	Hard Disk Drive 2TB, SATA, for eneo Video Recorders, expansion

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## Continuation of accessory

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
218583	HDD-8000SATA Purple	Hard Disk Drive 8TB, SATA, for eneo Video Recorders, expansion



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