Multistandard AHD Recorder

NHDR-4M5316AHD



5000 AHD SERIES

KEY FEATURES

MULTI STANDARD

4K HDMI

HYBRID SYSTEM

5 Mpx REC | x16 V+A | ×2 Monitor | ×2 HDD

- Video channels: 16, audio channels: 16
- Recording speed: up to 400 fps (AHD), up to 200 fps (IP)
- Internal HDDs mount: up to 2
- Monitor outputs: 2 (2 x main, 1 x spot)
- Supports HD analog cameras (720p, 1080p, 4MPX, 5MPX)
- Supports AHD, TVI, CVI cameras
- IP cameras support (hybrid mode)
- Intelligent image analysis
- PIR cameras support
- Supports POS devices

DIMENSIONS



VIDEO

Video Input	16 x BNC
Operating mode	AHD 5Mpx, TVI 1080p, CVI 1080p, analog 960H
Monitor Output	main (split screen, full screen, sequence): 1 x HDMI (4K UltraHD), 1 x VGA (FullHD) • spot: 1 x VGA (HD) interchangeably to main output
IP Streams	DVR mode: 16 x BNC + 0 x IP • hybrid mode: 16 x BNC + 8 x IP
Supported IP resolution	max. 2688 x 1520

AUDIO

Audio Input/Output	16 x RCA (Line-in)/1 x HDMI, 1 x RCA

RECORDING

Compression	H.264
Recording Speed	400 fps (960 x 576 - 960H) • 400 fps (1280 x 720 - HD) • 400 fps (1920 x 1080 - FullHD) • 240 fps (2560 x 1440 - 4Mpx) • 176 fps (2560 x 1944 - 5Mpx)
IP recording speed	hybrid mode: 200fps
IP stream size	hybrid mode: 128 Mb/s in total from all IP cameras
Recording Mode	continuous, triggered by: REC/PANIC button, alarm input, motion detection, PIR alarm, image analysis
Schedule	individual settings for: each camera, each day of the week, configuration with an accuracy of: 30 min, possibility of combining individual recording modes
Prealarm/postalarm	up to 3 s/up to 5 min

PLAYBACK

Playback speed	400 fps
IP playback speed	200 fps
Recorded Data Search	by date/time, events, object appearance/disappearance, image analysis events, POS

BACKUP

Backup Methods	DVD (option), USB port (HDD or Flash memory), network
Backup File Format	BMP, MP4, AVI, H264

STORAGE

Internal storage	available mount: 2 x HDD 3.5” SATA
Total Internal Capacity	16 TB
External storage	1 x eSATA
Total External Capacity	24 TB

ALARM

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Alarm Input/Output	16/1 relay type
Motion Detection	36 x 44 grid, individual settings of sensitivity, PIR cameras support
System Reaction to Alarm Events	buzzer, e-mail, alarm output activation, screen message, recording activation, PTZ

INTELLIGENT IMAGE ANALYSIS

Supported functions	Object detection, Line cross, Zone entrance
Number of channels	1 x BNC, 8 x IP (2000 and 4000 Serie)

NETWORK

Network Interface	1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s
PC/MAC Software	NMS, Internet Explorer, NHDR-5000 Viewer/Safari, NHDR-5000 Viewer
Mobile applications	RxCamView (iPhone, Android)
Number of Simultaneous Connections	up to 5 (live monitoring: 5, playback: 1, configuration: 5)
Bandwidth	128 Mb/s in total to all client workstations

PTZ

PTZ Ports	1 x RS-485
PTZ Protocols	Pelco-D, Pelco-P
PTZ Functions	pan/tilt/zoom, preset commands, patterns

COAX

COAX Functions	menu, zoom, focus, PTZ

POS

Number of POS channels	4
POS Interface	Ethernet
POS Functions	display text on the video, keyword search, export text with the video

AUXILIARY INTERFACES

USB Ports	1 x USB 2.0, 1 x USB 3.0

OPERATING SYSTEM

Operating System	Linux
OSD	languages: Polish, English, Russian, others
Control	front panel, PC mouse and IR remote controller (in-set included), network, NV-KBD50 keyboard
System Diagnostic	automatic control of: HDDs, camera connection loss

INSTALLATION PARAMETERS

Dimensions (mm)	380 (W) x 50 (H) x 340 (D)
Weight	1.5 kg (without HDDs)
Power Supply	12 VDC (100 ~ 240 VAC/12 VDC PSU in-set included)
Power Consumption	30 W (with 2 HDDs)
Operating Temperature	-10°C ~ 45°C

Recording speed may be limited during playback in hybrid or POS mode.
List of compatible HDD models and maximum of their capacities is available in section DOWNLOADABLE FILES.
POS feature available from NHDR4M5316AHD_V171218_W firmware.
One of the functions: SPOT monitor, POS, inteligent analysis, can be switched on at once.