Multistandard AHD Recorder

NHDR-4104AHD



4000 VSS HYBRID

KEY FEATURES

PIR DETECTION | VCA ANALYSIS | MULTI STANDARD | 4K HDMI | H.265

5 Mpx | 180 fps REC | x4 V+A | x2 Monitor | x1 HDD

- Video channels: 4, audio channels: 4
- Recording speed: up to 120 fps (AHD), up to 180 fps (IP)
- Internal HDDs mount: up to 1
- Monitor outputs (main): 2
- Supports HD analog cameras (720p, 1080p, 4MPX, 5MPX)
- Supports AHD, TVI, CVI cameras
- IP cameras support (hybrid mode)
- Intelligent image analysis
- PIR cameras support

DIMENSIONS



VIDEO

Video Input	4 x BNC
Operating mode	AHD 5Mpx, TVI 5Mpx, CVI 4Mpx, analog 960H
Monitor Output	main (split screen, full screen, sequence): 1 x HDMI (FullHD), 1 x VGA (FullHD)
IP Streams	DVR mode: 4 x BNC + 0 x IP • hybrid mode: 4 x BNC + 2 x IP • IP mode: 0 x BNC + 6 x IP
Supported IP resolution	max. 2592 x 1944

AUDIO

Audio Input/Output	4 x RCA (Line-in)/1 x HDMI, 1 x RCA

RECORDING

Compression	H.264, H.265
Recording Speed	120 fps (1280 x 720 - HD) • 52 fps (1920 x 1080 - FullHD) • 56 fps (1280 x 1440 - 4Mpx Lite) • 48 fps (1280 x 1944 - 5Mpx Lite) • 24 fps (2560 x 1440 - 4Mpx)
IP recording speed	hybrid mode: 60fps • IP mode: 180fps
IP stream size	hybrid mode: 8 Mb/s in total from all IP cameras • IP mode: 24 Mb/s in total from all IP cameras
Recording Mode	continuous, triggered by: REC/PANIC button, alarm input, motion detection, PIR alarm
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	120 fps
IP playback speed	120 fps
Recorded Data Search	by date/time, events, image analysis events, motion in a defined area, tags

BACKUP

Backup Methods	USB port (HDD or Flash memory), network
Backup File Format	JPG, BMP, PNG, MP4, AVI

STORAGE

Internal storage	available mount: 1 x HDD 3.5” SATA
Total Internal Capacity	14 TB

ALARM

Alarm Input/Output	4/1 relay type

Multistandard AHD Recorder
NHDR-4104AHD

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, Full Screen, FTP picture upload, FTP video upload, picture to Cloud, video to Cloud

INTELLIGENT IMAGE ANALYSIS

Supported functions	Exception, Line cross, Zone entrance, Abandoned object, Object disappearance, Face detection, Pedestrian detestion, Cross counting, Sound detection
Number of channels	0 x BNC, 6 x IP (2000 and 4000 Serie)

NETWORK

Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Network Protocols Support	HTTP, TCP/IP, IPv4, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, SMTP, P2P
PC/MAC Software	NMS, Internet Explorer, NHDR-5000 Viewer/NHDR-5000 Viewer
Mobile applications	RxCamView (iPhone, Android)
Number of Simultaneous Connections	up to 20 (live monitoring: 20, playback: 1, configuration: 20)
Bandwidth	32 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

AUXILIARY INTERFACES

USB Ports	2 x USB 2.0

OPERATING SYSTEM

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

INSTALLATION PARAMETERS

Dimensions (mm)	300 (W) x 53 (H) x 227 (D)
Weight	1 kg (without HDD)
Power Supply	12 VDC (100 ~ 240 VAC/12 VDC PSU in-set included)
Power Consumption	20 W (with 1 HDD)
Operating Temperature	-10°C ~ 55°C

Multistandard AHD Recorder
NHDR-4104AHD

The recorder is dedicated to work with AHD cameras, Novus 2000 and 4000 series IP cameras and achieves the best functionality with them. In case of work with IP cameras intelligent image analysis, dualstream mode, PTZ control, motion detection and alarm inputs / outputs functions depend on the functionality of the IP camera and the capabilities of the communication protocol. Detailed data on camera compatibility with recorders and compatible hard drives can be found in the compatibility tables available in the DOWNLOADABLE FILES tab.
Display and playback speeds are achieved using dual stream.
The recording speed of analog cameras may be limited during playback.