

# **Multistandard AHD Recorder**

NHDR-4104-H1



by date/time, events, image analysis events, motion in a defined area, tags

USB port (HDD or Flash memory), network

JPG, BMP, PNG, MP4, AVI



#### FUNCTIONS

















Recorded Data Search

Backup File Format

Backup Backup Methods

PTZ Ports

Operating system

Dimensions (mm)

mm



### COMPATIBILITY



## **KEY FEATURES**

- •Video channels: 4, audio channels: 4
- •Recording speed: up to 120 fps (AHD), up to
- •Internal HDDs mount: up to 1
- •Monitor outputs: 3 (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

## 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 (4K UltraHD), 1 x VGA (FullHD), spot: 1 x BNC
	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 (960 x 576 - 960H) 120 fps (1280 x 720 - 10b) 60 fps (1920 x 1080 - Fullid) 64 fps (1280 x 1440 - 4Mpx Lite) 48 fps (1280 x 1344 - 5Mpx Lite)
	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, 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	120 fps
	IP playback speed	120 fps

Storage available mount: 1 x HDD 3.5" SATA Internal storage External storage Network HDD (NFS or SMB/CIFS)

Total External Capacity 64 TB Alarm Input/Output 4/1 relay type supports IP camera's alarm input/output IP Camera Alarm Input/Output

Motion Detection 30 x 44 grid, individual settings of sensitivity, PIR cameras support  $buzzer, e-mail, alarm output \ activation, screen \ message, recording \ activation, PTZ, Full Screen, FTP picture upload, FTP video upload, picture to Cloud, video to Cloud$ System Reaction to Alarm Events

Number of channels 4 x BNC, 6 x IP (4000 Serie) Supported functions for analog cameras Exception, Line cross, Zone entrance, Pedestrian detestion, Sound detection Supported functions for IP cameras

Exception, Line cross, Zone entrance, Abandoned object, Object disappearance, Face detection, Pedestrian detestion, Cross counting, Sound detection Network Interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, SNTP, RTSP, UPnP, SNMP, SMTP, P2P, HTML5 Network Protocols Support NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, NHDR-5000 Viewer, Firefox, Chrome, Opera, Edge, N Control 4000/Safari, NHDR-5000 Viewer, N Control 4000 PC/MAC Software

1 x RS-485

300 (W) x 53 (H) x 227 (D)

RxCamView (iPhone, Android) up to 32 users, each user up to 5 devices 48 Mb/s in total to all client workstations PTZ

PTZ Protocols Pelco-D, Pelco-P pan/tilt/zoom, preset commands, patterns COAX COAX Functions menu, zoom, focus, PTZ

2 x USB 2.0,

Operating System OSD languages: Polish, English, Russian, others PC mouse and IR remote controller (in-set included), network, NV-KBD50 keyboard Control

System Diagnostic automatic control of: HDDs, camera connection loss Security password protection, IP filtering Installation parameters

Weight 1.1 kg (without HDD) 12 VDC (100 ~ 240 VAC/12 VDC PSU in-set included) Power Consumption 20 W (with 1 HDD) Operating Temperature -10°C ~ 55°C

The recorder is dedicated to work with AHD cameras, Novus 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.