

## Multistandard AHD Recorder NHDR-4308AHD

4000 VSS  
HYBRID

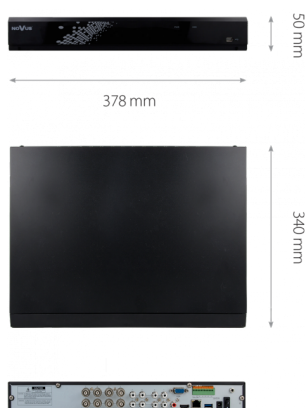


### KEY FEATURES



- Video channels: 8, audio channels: 8
- Recording speed: up to 240 fps (AHD), up to 360 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, 8MPX)
- Supports AHD, TVI, CVI cameras
- IP cameras support (hybrid mode)
- Intelligent image analysis
- PIR cameras support
- Supports POS devices

### DIMENSIONS



### VIDEO

|                         |                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Video Input             | 8 x BNC                                                                                                                                 |
| Operating mode          | AHD 8Mpx, TVI 8Mpx, CVI 4Mpx, 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: 8 x BNC + 0 x IP • hybrid mode: 8 x BNC + 4 x IP • IP mode: 0 x BNC + 12 x IP                                                 |
| Supported IP resolution | max. 3840 x 2160                                                                                                                        |

### AUDIO

|                    |                                     |
|--------------------|-------------------------------------|
| Audio Input/Output | 8 x RCA (Line-in)/1 x HDMI, 1 x RCA |
|--------------------|-------------------------------------|

### RECORDING

|                    |                                                                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compression        | H.264, H.265                                                                                                                                               |
| Recording Speed    | 240 fps (1280 x 720 - HD) • 240 fps (1920 x 1080 - FullHD) • 120 fps (2560 x 1440 - 4Mpx) • 80 fps (2560 x 1944 - 5Mpx) • 56 fps (3840 x 2160 - 8Mpx)      |
| IP recording speed | hybrid mode: 120fps • IP mode: 360fps                                                                                                                      |
| IP stream size     | hybrid mode: 32 Mb/s in total from all IP cameras • IP mode: 96 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       | 240 fps                                                                     |
| IP playback speed    | 240 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: 2 x HDD 3.5" SATA |
| Total Internal Capacity | 28 TB                              |

### ALARM

|                    |                |
|--------------------|----------------|
| Alarm Input/Output | 8/1 relay type |
|--------------------|----------------|

# Multistandard AHD Recorder

## NHDR-4308AHD

|                                 |                                                                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 detection, Cross counting, Sound detection |
| Number of channels  | 1 x BNC, 12 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                          | 96 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, RS485                                                       |
| 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           | 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)       | 378 (W) x 50 (H) x 340 (D)                        |
| Weight                | 2.5 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 ~ 55°C                                      |



## Multistandard AHD Recorder **NHDR-4308AHD**

*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.*

*One of the functions: POS, SPOT monitor, Intelligent Image Analysis can be switched on at the same time.*

