

## AHD Recorder NHDR-3204AHD

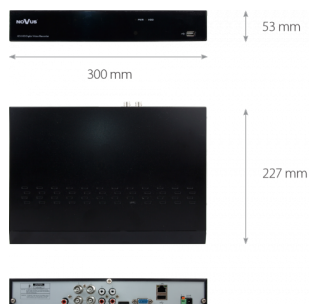


### KEY FEATURES



- Video channels: 4, audio channels: 4
- Recording speed: up to 100 fps (AHD), up to 150 fps (IP)
- Internal HDDs mount: up to 1
- Monitor outputs (main): 2
- Supports 700 TVL analog cameras (960H)
- Supports HD analog cameras (720p, 1080p lite)
- IP cameras support (hybrid mode)
- PIR cameras support

### DIMENSIONS



### VIDEO

|                         |                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------|
| Video Input             | 4 x BNC                                                                                |
| 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. 1920 x 1080                                                                       |

### AUDIO

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

### RECORDING

|                    |                                                                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compression        | H.264                                                                                                                                                      |
| Recording Speed    | 100 fps (960 x 576 - 960H) • 100 fps (1280 x 720 - HD) • 100 fps (960 x 1080 - 1080p Lite)                                                                 |
| IP recording speed | hybrid mode: 50fps • IP mode: 150fps                                                                                                                       |
| IP stream size     | hybrid mode: 6 Mb/s in total from all IP cameras • IP mode: 18 Mb/s in total from all IP cameras                                                           |
| Recording Mode     | continuous, triggered by: REC/PANIC button, 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       | 100 fps                                               |
| IP playback speed    | 150 fps                                               |
| Recorded Data Search | by date/time, events, object appearance/disappearance |

### BACKUP

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

### STORAGE

|                         |                                    |
|-------------------------|------------------------------------|
| Internal storage        | available mount: 1 x HDD 3.5" SATA |
| Total Internal Capacity | 8 TB                               |
| External storage        | 1 x eSATA                          |
| Total External Capacity | 24 TB                              |

### ALARM

|                  |                                                                       |
|------------------|-----------------------------------------------------------------------|
| Motion Detection | 36 x 44 grid, individual settings of sensitivity, PIR cameras support |
|------------------|-----------------------------------------------------------------------|

System Reaction to Alarm Events      buzzer, e-mail, screen message, recording activation

### NETWORK

|                                    |                                                                   |
|------------------------------------|-------------------------------------------------------------------|
| Network Interface                  | 1 x Ethernet - RJ-45 interface, 10/100 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                          | 16 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                              |

### INSTALLATION PARAMETERS

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Dimensions (mm)       | 300 (W) x 53 (H) x 227 (D)                        |
| Weight                | 1.1 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 ~ 45°C                                      |

Support both high definition analog cameras (720p, 1080p lite) and standard resolution cameras (960H).  
AHD Recording is limited to 15 fps per channel during playback or hybrid mode.  
List of compatible HDD models and maximum of their capacities is available in section **DOWNLOADABLE FILES**.  
ESATA is available from serial No 1705..