

## Multistandard AHD Recorder NHDR-6016-H1-II

6000 VSS  
HYBRID



### KEY FEATURES

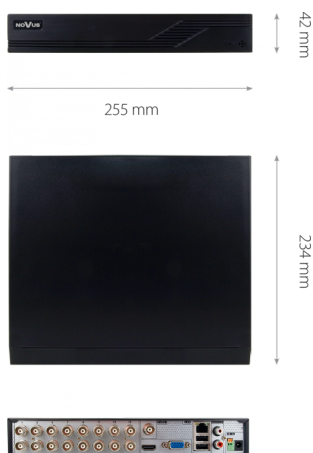


- Video channels: 16, audio channels: 1
- Recording speed: up to 480 fps (AHD), up to 480 fps (IP)
- Internal HDDs mount: up to 1
- Monitor outputs: 3 (2 x main, 1 x spot)
- Supports high resolution analog cameras (1080p, 4MPX, 5MPX)
- Supports AHD, TVI, CVI cameras
- IP cameras support (hybrid mode)
- Intelligent image analysis

### COMPLIANCE



### DIMENSIONS



### VIDEO

|                         |                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Video Input             | 16 x BNC                                                                                                                                |
| Operating mode          | AHD 5Mpx, TVI 5Mpx, CVI 5Mpx                                                                                                            |
| Monitor Output          | main (split screen, full screen, sequence): 1 x HDMI (FullHD), 1 x VGA (FullHD), 1 x BNC • spot: 1 x BNC interchangeably to main output |
| IP Streams              | hybrid mode: 16 x BNC + 8 x IP • IP mode: 8 x BNC + 16 x IP                                                                             |
| Supported IP resolution | max. 2592 x 1944                                                                                                                        |

### AUDIO

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

### RECORDING

|                    |                                                                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compression        | H.264, H.265                                                                                                                                              |
| Recording Speed    | 480 fps (960 x 1080 - 1080p Lite) • 240 fps (1920 x 1080 - FullHD) • 240 fps (1280 x 1440 - 4Mpx Lite) • 160 fps (1280 x 1944 - 5Mpx Lite)                |
| IP recording speed | hybrid mode: 240fps • IP mode: 480fps                                                                                                                     |
| IP stream size     | hybrid mode: 32 Mb/s in total from all IP cameras • IP mode: 64 Mb/s in total from all IP cameras                                                         |
| Recording Mode     | continuous, triggered by: REC/PANIC button, alarm input, motion detection, image analysis                                                                 |
| Schedule           | individual settings for: each camera, each day of the week, configuration with an accuracy of: 1 min, possibility of combining individual recording modes |
| Prealarm/postalarm | up to 5 s/up to 10 min                                                                                                                                    |

### PLAYBACK

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| Playback speed       | 480 fps                                                                     |
| IP playback speed    | 480 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 | AVI, RPAS (player included)             |

### STORAGE

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

### ALARM

|                              |                                                  |
|------------------------------|--------------------------------------------------|
| IP Camera Alarm Input/Output | supports IP camera's alarm input/output          |
| Motion Detection             | 18 x 22 grid, individual settings of sensitivity |

# Multistandard AHD Recorder

## NHDR-6016-H1-II

System Reaction to Alarm Events    buzzer, e-mail, recording activation, PTZ, Full Screen

### INTELLIGENT IMAGE ANALYSIS

|                                        |                                                                              |
|----------------------------------------|------------------------------------------------------------------------------|
| Supported functions for analog cameras | Line cross, Zone entrance                                                    |
| Supported functions for IP cameras     | Exception, Line cross, Zone entrance, Abandoned object, Object disappearance |

### NETWORK

|                                    |                                                                                                                                                      |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network Interface                  | 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s                                                                                                        |
| Network Protocols Support          | HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPPoE, SMTP, P2P, POS, HTML5                                              |
| PC/MAC Software                    | NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefox, Chrome, Opera, N Control 6000, Edge/Safari, N Control 6000 |
| Mobile applications                | ipGO 6 (iPhone, Android)                                                                                                                             |
| Number of Simultaneous Connections | up to 8 (live monitoring: 8, playback: 8, configuration: 8) , live monitoring up to 28 mainstreams, 96 substreams, playback up to 8 streams          |
| Bandwidth                          | 80 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           | IR remote controller, PC mouse (in-set included), network |
| System Diagnostic | automatic control of: HDDs, camera connection loss        |
| Security          | password protection, IP filtering                         |

### INSTALLATION PARAMETERS

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Dimensions (mm)       | 255 (W) x 42 (H) x 234 (D)                        |
| Weight                | 0.89 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 ~ 50°C                                      |



## Multistandard AHD Recorder **NHDR-6016-H1-II**

*The recorder is dedicated to work with AHD cameras, Novus 3000 and 6000 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.*

