

## IP Recorder NVR-4108-H1

4000 VSS  
IP



### KEY FEATURES



- 8 x video and audio channels
- Recording speed up to 240 fps at 2592 x 1944
- Recorded stream size: 64 Mb/s in total from all cameras
- 1 x internal place for HDD mounting
- 2 x monitor outputs (HDMI, VGA)
- Intelligent image analysis

### DIMENSIONS



The recorder is dedicated to work with NOVUS 4000 series IP cameras. Detailed data can be found in the compatibility table available in the **DOWNLOADABLE FILES** tab.

### VIDEO

|                                     |                                                                                                 |
|-------------------------------------|-------------------------------------------------------------------------------------------------|
| IP Cameras                          | up to 8 channels at 2592 x 1944 resolution (video + audio)                                      |
| Maximum Supported Camera Resolution | 2592 x 1944                                                                                     |
| Compression                         | H.264, H.264+, H.265, H.265+                                                                    |
| Monitor Output                      | main (split screen, full screen, sequence): 1 x HDMI, 1 x VGA (up to 2 monitors simultaneously) |
| Dualstreaming Support               | yes                                                                                             |

### AUDIO

|                    |                                  |
|--------------------|----------------------------------|
| Audio Input/Output | - / 1 x HDMI, 1 x line-out (RCA) |
|--------------------|----------------------------------|

### RECORDING

|                    |                                                                                                                  |
|--------------------|------------------------------------------------------------------------------------------------------------------|
| Recording Speed    | 240 fps (8 x 30 fps for 2592 x 1944)                                                                             |
| Stream Size        | 64 Mb/s in total from all cameras                                                                                |
| Recording Mode     | continuous, triggered by: manual, alarm input, motion detection, intelligent image analysis functions, PIR alarm |
| Prealarm/Postalarm | up to 3 s/up to 600 s                                                                                            |

### DISPLAY

|               |                      |
|---------------|----------------------|
| Display Speed | 240 fps (8 x 30 fps) |
|---------------|----------------------|

### PLAYBACK

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| Playback Speed       | 240 fps (8 x 30 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, RF             |

### STORAGE

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

### ALARM

|                           |                                         |
|---------------------------|-----------------------------------------|
| Camera Alarm Input/Output | supports IP camera's alarm input/output |
|---------------------------|-----------------------------------------|

|                                 |                                                                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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, Tripwire, Zone entrance, Abandoned Object, Object Disappearance, Face Detection, Pedestrian Detection, Cross Counting, Sound detection |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|

## 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                    | NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, NHDR-5000 Viewer, N Control 4000/NHDR-5000 Viewer, N Control 4000 |
| Mobile applications                | RxCamView (iPhone, Android)                                                                                           |
| Number of Simultaneous Connections | up to 40 clients                                                                                                      |
| Bandwidth                          | 48 Mb/s in total to all client workstations                                                                           |

## PTZ

|               |                                          |
|---------------|------------------------------------------|
| PTZ Functions | pan/tilt/zoom, preset commands, patterns |
|---------------|------------------------------------------|

## AUXILIARY INTERFACES

|           |             |
|-----------|-------------|
| USB Ports | 2 x USB 2.0 |
|-----------|-------------|

## OPERATING SYSTEM

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

## 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 ~ 55°C                                      |

The availability of individual functions (including image analysis) depends on the model of the cameras used, as well as the software version of the recorder and cameras.

In order to create face recognition system, please deploy NOVUS 4000 series IP cameras with "F" in the model name.

Presented display and playback speeds are achieved using dual-streaming. Detailed data on hard drives can be found in the compatibility table available in the DOWNLOADABLE FILES tab.