# **NOVUS**

### **IP** Recorder

#### NVR-4108-H1





#### **KEY FEATURES**





















- •8 x video and audio channels
- $\bullet$ 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  ${\tt DOWNLOADABLE}$  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	





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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

picture to Cloud, video to Cloud

INTELL	IGENT	IMAGE	ANAL	YSIS

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 Connection	onsup 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.



