

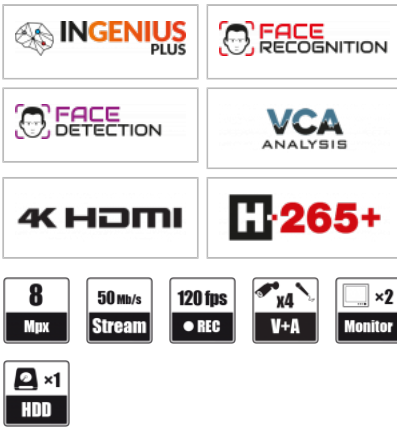
## IP Recorder

### NVR-4204P4-H1/F-II

4000 VSS IP

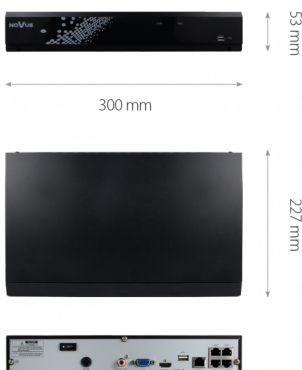


#### KEY FEATURES



- 4 x Ethernet PoE - RJ-45 interface, 10/100 Mbit/s
- Video and audio channels: 4
- Supported protocols: ONVIF
- Recording speed up to 120 fps at 3840 x 2160
- Recorded stream size: 50 Mb/s in total from all cameras
- Internal HDDs mount: 1
- Monitor outputs: 2 (HDMI (4K UltraHD), VGA)
- Intelligent image analysis

#### DIMENSIONS



#### VIDEO

IP Cameras	up to 4 channels at 3840 x 2160 resolution (video + audio)
Maximum Supported Camera Resolution	3840 x 2160
Compression	H.264, H.264+, H.265, H.265+
Monitor Output	main (split screen, full screen, sequence): 1 x VGA, 1 x HDMI (4K UltraHD) (up to 2 monitors simultaneously)
Dualstreaming Support	yes

#### AUDIO

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

Recording Speed	120 fps (4 x 30 fps for 3840 x 2160 and lower)
Stream Size	50 Mb/s in total from all cameras
Recording Mode	time-lapse, triggered by: manual, alarm input, motion detection, perimeter intrusion detection, intelligent image analysis functions, PIR alarm
Prealarm/Postalarm	up to 3 s/up to 600 s

#### DISPLAY

Display Speed	120 fps (4 x 30 fps)
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#### PLAYBACK

Playback Speed	120 fps (4 x 30 fps)
Recorded Data Search	by date/time, events, object appearance/disappearance, 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
External storage	network HDD (NFS or SMB/CIFS)
Total External Capacity	64 TB

#### ALARM

Camera Alarm Input/Output	supports IP camera's alarm input/output
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# IP Recorder

## NVR-4204P4-H1/F-II

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, Crowd detection, Face Detection, Pedestrian Detection, Cross Counting, Face Recognition, Sound detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line Cross Detection by pedestrian or vehicle, Objects Distinguishing, Queue Length Detection, Heat Map, Cross Counting by pedestrian or vehicle

### NETWORK

Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s • 4 x Ethernet PoE - RJ-45 interface, 10/100 Mbit/s with Extended mode
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPPoE, SMTP, P2P, HTML5
PC/MAC Software	NMS, Internet Explorer, NHDR-5000 Viewer, Firefox, Chrome, Opera, Edge/Safari, NHDR-5000 Viewer
Mobile applications	RxCamView (iPhone, Android)
Number of Simultaneous Connections	up to 7 users, each user up to 5 devices
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	48 VDC (100 ~ 240 VAC/48 VDC PSU in-set included)
Power Consumption	20 W (with 1 HDD) + 45 W PoE
Operating Temperature	-10°C ~ 45°C

*In order to take full advantage of the recorder capabilities it is recommended to use NOVUS IP 4000 series cameras.*

*The availability of individual functions (including face recognition) depends on the model of cameras used as well as the software version of the recorder and cameras.*

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

*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.*