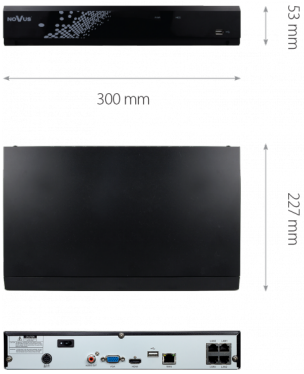
IP Recorder

NVR-4204P4-H1/F

KEY FEATURES

- 4 x PoE Ethernet ports
- 4 x video and audio channels
- Recording speed up to 120 fps at 3840 x 2160
- Recorded stream size: 50 Mb/s in total from all cameras
- 1 x internal place for HDD mounting
- 2 x monitor outputs (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 HDMI (4K UltraHD), 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	120 fps (4 x 30 fps for 3840 x 2160 and lower)
Stream Size	50 Mb/s in total from all cameras
Recording Mode	continuous, 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)

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” 14 TB SATA
Total Internal Capacity	14 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

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Supported Functions	Exception, Tripwire, Zone entrance, Abandoned Object, Object Disappearance, Face Detection, Pedestrian Detection, Cross Counting, Sound detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line Cross Detection by pedestrian or vehicle

NETWORK

Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s • 4 x Ethernet PoE (IEEE802.3af, Class 3) - RJ-45 interface, 10/100 Mbit/s, with Extended mode
Network Protocols Support	HTTP, TCP/IP, IPv4, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPPoE, SMTP, P2P
PC/MAC Software	NMS, Internet Explorer, NHDR-5000 Viewer/NHDR-5000 Viewer
Mobile applications	RxCamView (iPhone, Android)
Number of Simultaneous Connections	up to 40 clients
Bandwidth	50 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) + 57 W PoE
Operating Temperature	-10°C ~ 45°C

Intelligent image analysis, dualstream mode, PTZ control, motion detection and alarm inputs / outputs functions depends on the functionality of the camera and the capabilities of the communication protocol. The recorder is dedicated to work with Novus 2000 and 4000 series IP cameras and achieves the best functionality with them. 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.