

## IP Recorder NVR-4116-H1/F-II



4000 VSS IP

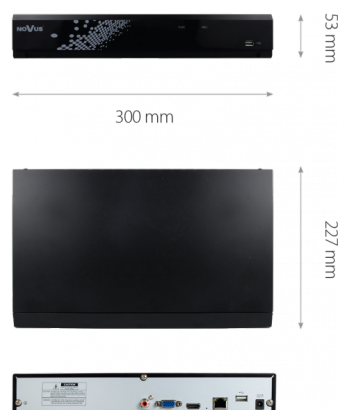
### FUNCTIONS



### KEY FEATURES

- Video and audio channels: 16
- Supported protocols: ONVIF
- Recording speed up to 480 fps at 3840 x 2160
- Recorded stream size: 112 Mb/s in total from all cameras
- Internal HDDs mount: 1
- Monitor outputs: 2 (HDMI (4K UltraHD), VGA)
- Face recognition

### DIMENSIONS



<b>Video</b>	
IP Cameras	up to 16 channels at 3840 x 2160 resolution (video + audio)
Maximum Supported Camera Resolution	3840 x 2160 3000 x 3000 for fisheye cameras
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
Fisheye Support	using Internet Explorer, RxCamView, NHDR-5000Viewer, N Control 4000
<b>Audio</b>	
Audio Input/Output	- / 1 x HDMI, 1 x line-out (RCA)
<b>Recording</b>	
Recording Speed	480 fps (16 x 30 fps for 3840 x 2160 and lower)
Stream Size	112 Mb/s in total from all cameras
Recording Mode	time-lapse, triggered by: manual, alarm input, motion detection, face recognition, intelligent image analysis functions, PIR alarm
Prealarm/Postalarm	up to 3 s/up to 600 s
<b>Display</b>	
Display Speed	480 fps (16 x 30 fps)
<b>Playback</b>	
Playback Speed	480 fps (16 x 30 fps)
Recorded Data Search	by date/time, events, image analysis events, motion in a defined area, related to face recognition, tags
<b>Backup</b>	
Backup Methods	USB port (HDD or Flash memory), network
Backup File Format	JPG, BMP, PNG, MP4, AVI, RF
<b>Storage</b>	
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
<b>Alarm</b>	
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, voice prompt
<b>Intelligent image analysis</b>	
Supported Functions	Exception, Tripwire, Zone entrance, Abandoned Object, Object Disappearance, Crowd detection, Face Detection, Face Recognition (in cooperation with selected 4000 series cameras), Pedestrian Detection, Cross Counting, 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
<b>Network</b>	
Network Interface	1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s
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, N Control 4000/Safari, NHDR-5000 Viewer
Mobile applications	RxCamView (iPhone, Android)
Number of Simultaneous Connections	up to 32 users, each user up to 5 devices
Bandwidth	96 Mb/s in total to all client workstations
<b>PTZ</b>	
PTZ Functions	pan/tilt/zoom, preset commands, patterns
<b>Auxiliary Interfaces</b>	
USB Ports	2 x USB 2.0
<b>Operating system</b>	
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
<b>Installation parameters</b>	
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 ~ 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.*