NOVUS

Multistandard AHD Recorder

NHDR-4108AHD

4000 **VSS HYBRID+**

FUNCTIONS

PIR DETECTION | **VCA ANALYSIS**

MULTI STANDARD | **4K HDMI**

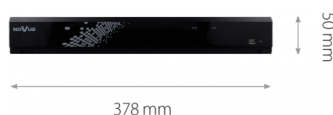**H·265** | **5 Mpx** | **360 fps ●REC**

x8 V+A | **x2 Monitor** | **x2 HDD**

KEY FEATURES

- Video channels: 8, audio channels: 8
- Recording speed: up to 240 fps (AHD), up to 360 fps (IP)
- Internal HDDs mount: up to 2
- Monitor outputs (main): 2
- Supports HD analog cameras (720p, 1080p, 4MPX, 5MPX)
- Supports AHD, TVI, CVI cameras
- IP cameras support (hybrid mode)
- Intelligent image analysis
- PIR cameras support
- Supports POS devices

DIMENSIONS

50 mm

378 mm

340 mm

Video	
Video Input	8 x BNC
Operating mode	AHD 5Mpx, TVI 5Mpx, CVI 4Mpx, analog 960H
Monitor Output	main (split screen, full screen, sequence): 1 x HDMI (FullHD), 1 x VGA (FullHD)
IP Streams	DVR mode: 8 x BNC + 0 x IP hybrid mode: 8 x BNC + 4 x IP IP mode: 0 x BNC + 12 x IP
Supported IP resolution	max. 2592 x 1944
Audio	
Audio Input/Output	8 x RCA (Line-in)/1 x HDMI, 1 x RCA
Recording	
Compression	H.264, H.265
Recording Speed	240 fps (1280 x 720 - HD) 120 fps (1920 x 1080 - FullHD) 144 fps (1280 x 1440 - 4Mpx Lite) 120 fps (1280 x 1944 - 5Mpx Lite) 56 fps (2560 x 1440 - 4Mpx)
IP recording speed	hybrid mode: 120fps IP mode: 360fps
IP stream size	hybrid mode: 16 Mb/s in total from all IP cameras IP mode: 48 Mb/s in total from all IP cameras
Recording Mode	continuous, triggered by: REC/PANIC button, alarm input, motion detection, PIR alarm
Schedule	individual settings for: each camera, each day of the week, configuration with an accuracy of: 30 min, possibility of combining individual recording modes
Prealarm/postalarm	up to 3 s/up to 5 min
Playback	
Playback speed	240 fps
IP playback speed	240 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
Storage	
Internal storage	available mount: 2 x HDD 3.5" SATA
Total Internal Capacity	28 TB
Alarm	
Alarm Input/Output	8/1 relay type
Motion Detection	36 x 44 grid, individual settings of sensitivity, PIR cameras support
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, Line cross, Zone entrance, Abandoned object, Object disappearance, Face detection, Pedestrian detestion, Cross counting, Sound detection
Number of channels	0 x BNC, 12 x IP (2000 and 4000 Serie)
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	NMS, Internet Explorer, NHDR-5000 Viewer/NHDR-5000 Viewer
Mobile applications	RxCamView (iPhone, Android)
Number of Simultaneous Connections	up to 20 (live monitoring: 20, playback: 1, configuration: 20)
Bandwidth	64 Mb/s in total to all client workstations
PTZ	
PTZ Ports	1 x RS-485
PTZ Protocols	Pelco-D, Pelco-P
PTZ Functions	pan/tilt/zoom, preset commands, patterns
COAX	
COAX Functions	menu, zoom, focus, PTZ
POS	
Number of POS channels	4
POS Interface	Ethernet, RS485
POS Functions	display text on the video, keyword search, export text with the video
Auxiliary Interfaces	
USB Ports	2 x USB 2.0,
Operating system	
Operating System	Linux
OSD	languages: Polish, English, Russian, others
Control	PC mouse and IR remote controller (in-set included), network, NV-KBD50 keyboard
System Diagnostic	automatic control of: HDDs, camera connection loss
Security	password protection, IP filtering
Installation parameters	
Dimensions (mm)	378 (W) x 50 (H) x 340 (D)
Weight	2.5 kg (without HDDs)
Power Supply	12 VDC (100 ~ 240 VAC/12 VDC PSU in-set included)
Power Consumption	30 W (with 2 HDDs)
Operating Temperature	-10°C ~ 55°C

The recorder is dedicated to work with AHD cameras, Novus 2000 and 4000 series IP cameras and achieves the best functionality with them. In case of work with IP cameras intelligent image analysis, dualstream mode, PTZ control, motion detection and alarm inputs / outputs functions depend on the functionality of the IP camera and the capabilities of the communication protocol. 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.
The recording speed of analog cameras may be limited during playback.