# **NOVUS**

## **Multistandard AHD Recorder**

NHDR-6008-H1-II



up to 5 (live monitoring: 5, playback: 5, configuration: 5) , live monitoring up to 16 mainstreams, 48 substreams, playback up to 8 streams

60 Mb/s in total to all client workstations

pan/tilt/zoom, preset commands, patterns

languages: Polish, English, Russian, others

password protection, IP filtering, MAC filtering

IR remote controller, PC mouse (in-set included), network automatic control of: HDDs, camera connection loss

12 VDC (100 ~ 240 VAC/12 VDC PSU in-set included)

Pelco-D, Pelco-P

menu, zoom, focus, PTZ

255 (W) x 42 (H) x 233 (D)

0.77 kg (without HDD)

20 W (with 1 HDD)

-10°C ~ 50°C



### FUNCTIONS





















### **KEY FEATURES**

- •Video channels: 8, audio channels: 1
- •Recording speed: up to 240 fps (AHD), up to 120 fps (IP)
- •Internal HDDs mount: up to 1
- •Monitor outputs: 3 (2 x main, 1 x spot)
  •Supports HD analog cameras (720p, 1080p,
- 4MPX. 5MPX)
- •Supports AHD, TVI, CVI cameras
- •IP cameras support (hybrid mode)
  •Intelligent image analysis

#### DIMENSIONS







Vote in put         8 x BUC           Contraing mode         AND Selay, TV Selay, CVS Selay, analog 96011           Monitor Output         main 1 polit screen, bill screen, sequenced 1.3 HRMI (FullPD), 1 x VGA (FullP		
Operating mode         AMD More, NO Mode, CAY SMAR, and 96 9614           Monitor Optique         Specie 1.x RISK (interchangeably for main output.           IP Streams         Interchangeably for main output.           Supported Presidution         max 292 x 13 444           Audional Control of the North Control of	Video	
Monitor Output   Spirit amouse   Spirit amou	Video Input	8 x BNC
Stream Stream   Specia   Spe	Operating mode	AHD 5Mpx, TVI 5Mpx, CVI 5Mpx, analog 960H
Product or Supported   Product or Sub C+ 12 x   Product or Sub C+ 12	Monitor Output	main (split screen, full screen, sequence): $1 \times \text{HDMI}$ (FullHD), $1 \times \text{VGA}$ (FullHD), $1 \times \text{BNC}$ , spot: $1 \times \text{BNC}$ interchangeably to main output
Audio pact/Dutyput (1 month) 1 month (2 month) 1	IP Streams	hybrid mode: 8 x BNC + 4 x IP IP mode: 0 x BNC + 12 x IP
Audio Imput/Output 1 x RCA (Line-in)/1 x RDM, 1 x RCA  Recording  Compression	Supported IP resolution	max. 2592 x 1944
Recording   Part   Pa	Audio	
Compression	Audio Input/Output	1 x RCA (Line-in)/1 x HDMI, 1 x RCA
Recording Speed Recording Mode Recording Recording Mode Recording Record Recording Recording Recording Recording Recording Recording Rec	Recording	
Recording Speed	Compression	H.264, H.265
Produce 360fps  Produce 360fps  Produce 30 Mbs in total from all IP cameras  Produce 50 Mbs in total from all IP cameras  Produce 50 Mbs in total from all IP cameras  Produce 50 Mbs in total from all IP cameras  Produce 50 Mbs in total from all IP cameras  Preduce 50 Mbs in total from all I	Recording Speed	240 fps (960 x 1080 - 1080p Lite) 120 fps (1920 x 1080 - FullHD) 120 fps (1280 x 1440 - 4Mpx Lite)
Recording Mode continuous, triggered by: RECPANIC batton, alarm input, motion detection, image analysis individual settings for: each camera, each day of the week, configuration with an accuracy of: 1 min, possibility of combining individual recording modes individual recording modes week, configuration with an accuracy of: 1 min, possibility of combining individual recording modes week, configuration with an accuracy of: 1 min, possibility of combining individual recording modes week, configuration with an accuracy of: 1 min, possibility of combining individual recording modes week, configuration with an accuracy of: 1 min, possibility of combining individual recording modes week, configuration with an accuracy of: 1 min, possibility of combining individual recording modes week, configuration with an accuracy of: 1 min, possibility of combining individual recording modes week, configuration with an accuracy of: 1 min, possibility of combining individual recording modes week, configuration with an accuracy of: 1 min, possibility of combining individual recording analysis events, mage analysis events, image analysis events, memory), network  Network interface  8 x 8DC, 4 x IP (6000 Serie)  1 x Ethemet - R} 4 x IP (6000 Serie)  1 x Ethemet - R} 4 x IP (6000 Serie)  1 x Ethemet - R} 4 x IP (6000 Serie)  1 x Ethemet - R} 4 x IP (6000 Serie) Ethemet Explore, Firefox, Police, Disk, Dolks, NTP, RTSP, UPAP, SNMP, PPReE, SNTP, PSP, HTMLS  Network Protocols Support  Network Protocols Support  NOUS MANAGEMENT SYSTEM VS, NOVUS MANAGEMENT SYSTEM VS, NOV	IP recording speed	hybrid mode: 120fps IP mode: 360fps
Schedule individual settings for each camera, each day of the week, configuration with an accuracy of: 1 min, possibility of combining individual recording modes Prealarm/postalarm up to 5 s/up to 10 min Playback Playback speed 240 fps Playback speed 240 fps Playback speed 240 fps Playback speed 240 fps Backup Methods 240 fbs Backup Methods USB port (HDD or Flash memory), network Backup Methods USB port (HDD or Flash memory), network Backup Plie format AVI, RPAS (player included) Storage Internal storage available mount: 1 x HDD 3.5" SATA Total Internal Capacity 10 TB  Alarm Motion Detection 18 x 22 grid, individual settings of sensitivity System Reaction to Alarm Events buzzer, e-mail, alarm output activation, PTZ, Full Screen Intelligent image analysis Number of channels 8 x BNC, 4 x IP (6000 Serie) Supported functions for nanlog cameras Line cross, Zone entrance Supported functions for PI cameras Detection 1 x Ethernet - RJ-45 interface, 10/100 Mibit/s Network Interface 1 x Ethernet - RJ-45 interface, 10/100 Mibit/s Network Protocols Support HDC, DNS, NTP, RTSP, UPPP, SMMP, PPPE, SMTP, P2P, HTMLS NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefox, Protrues, Open and Corters of Chrome, Open a, Control 6000, Edges Safan, N Control 6000. Edges Safan, N Chrome 60000	IP stream size	hybrid mode: 32 Mb/s in total from all IP cameras IP mode: 60 Mb/s in total from all IP cameras
prealarm(postalarm prealarm(postalarm))  Playback speed 240 fps  Recorded Data Search 240 fps  Reackup Alexand prealarm(postalarm prealarm(postalarm))  Backup Methods 240 fps port (HDD or Flash memory), network advised prealarm(postalarm prealarm(postalarm))  Backup Methods 240 fps port (HDD or Flash memory), network advised prealarm(postalarm(pos	Recording Mode	continuous, triggered by: REC/PANIC button, alarm input, motion detection, image analysis
Playback speed 240 fps Playback speed 240 fps Playback speed 270 fps Recorded Data Search 270 space 270 sp	Schedule	
Playback speed 240 fps P playback speed 120 fps Recorded Data Search by date/time, events, image analysis events, motion in a defined area, tags Recorded Data Search by date/time, events, image analysis events, motion in a defined area, tags Reackup Methods USB port (HDD or Flash memory), network Rackup File Format AVI, RPAS (player included)  Storage  Internal Storage available mount: 1 x HDD 3.5" SATA  10 TB Alarm  Motion Detection 10 TB 22 grid, individual settings of sensitivity System Reaction to Alarm Events buzzer, e-mail, alarm output activation, PTZ, Full Screen  Intelligent image analysis  Number of channels 8 x BNC, 4 x IP (6000 Serie) Supported functions for analog cameras Une cross, Zone entrance  Supported functions for IP cameras Object detection, Exception, Line cross, Zone entrance  Network Interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s  Network Protocols Support HTP, TCP/IP, IP-A/PG, HTPLS, FTP, DHCP, DNS, DNS, NTP, RTSP, UPPP, SNMP, PPPE, SMTP, P2P, HTMLS  PC/MAC Software NOVUS MANAGEMENT SYSTEM VS, NOVUS MANAGEMENT SYSTEM	Prealarm/postalarm	up to 5 s/up to 10 min
IP playback speed Recorded Data Search Backup  Backup  Backup USB port (HDD or Flash memory), network Backup Flee format AVI, RPAS (player included)  Storage  Internal storage Internal capacity Internal Capacit	Playback	
Recorded Data Search  Backup  Backup Methods  Backup Methods  Backup File Format  Back	Playback speed	240 fps
Backup Methods USB port (HDD or Flash memory), network Backup Nethods AVI, RPAS (player included)  Storage Internal storage available mount: 1 x HDD 3.5" SATA Total Internal Capacity 10 TB  Alarm  Motion Detection System Reaction to Alarm Events buzzer, e-mail, alarm output activation, recording activation, PTZ, Full Screen  Intelligent image analysis  Number of channels 8 x BNC, 4 x IP (6000 Serie)  Supported functions for analog cameras Une cross, Zone entrance  Network  Network interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s  Network interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s  Network Protocols Support HDC, DNS, NTP, RTSP, UPPP, SMMP, PPPE, SMTP, P2P, HTMLS  NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, internet Explorer, Firefox, Chrome, Open a. Control 6000. Edges Safan, N. Control 6000.	IP playback speed	120 fps
Backup Methods Backup File Format AVI, RPAS (player included)  Storage  Internal Storage  Internal Storage  Internal Capacity 10 TB  Alarm  Motion Detection 18 x 22 grid, individual settings of sensitivity System Reaction to Alarm Events buzzer, e-mail, alarm output activation, PTZ, Full Screen  Intelligent image analysis  Number of channels 8 x BNC, 4 x IP (6000 Serie) Supported functions for analog cameras  Une cross, Zone entrance Supported functions for IP cameras Object detection, Exception, Line cross, Zone entrance  Network  Network Interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s  Network Protocols Support NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefox, Chrome, Object of Sonero (Source) (Source) (Source) (Source) (Source) (Source)  NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefox, Chrome, Open a, Control 6000 Edge/Safan, N Control 6000 Edge/Safan, N Control 6000	Recorded Data Search	by date/time, events, image analysis events, motion in a defined area, tags
Backup File Format AVI, RPAS (player included)  Storage  Internal Storage available mount: 1 x HDD 3.5" SATA  Total Internal Capacity 10 TB  Marm  Motion Detection 18 x 22 grid, individual settings of sensitivity  System Reaction to Alarm Events buzzer, e-mail, alarm output activation, recording activation, PTZ, Full Screen  Intelligent image analysis  Number of channels 8 x BNC, 4 x IP (6000 Serie)  Supported functions for iP cameras bunce for Hormans bunch for IP cameras bunch for IP c	Backup	
Storage  Internal storage available mount: 1 x HDD 3.5" SATA  Total Internal Capacity 10 TB  Alarm  Motion Detection \$18 x 22 grid, individual settings of sensitivity System Reaction to Alarm Events buzzer, e-mail, alarm output activation, PTZ, Full Screen  Intelligent image analysis  Number of channels 8 x BNC, 4 x IP (6000 Serie) Supported functions for analog cameras Line cross, Zone entrance  Supported functions for IP cameras Object detection, Exception, Line cross, Zone entrance  Network  Network interface 1 x Ethernet - RJ-45 interface, 10/100 Mibit/s  Network Protocols Support HTP, TCP/IP, IPv4/NG, HTTRS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPPP, SNMP, PPPBE, SMTP, P2P, HTML5  RC/MAC Software Norvords 6000 Edges Safari, N Control 6000	Backup Methods	USB port (HDD or Flash memory), network
Internal storage available mount: 1 x HDD 3.5" SATA Total Internal Capacity 10 TB  Alarm  Motion Detection 18 x 22 grid, individual settings of sensitivity System Reaction to Alarm Events buzzer, e-mail, alarm output activation, recording activation, PTZ, Full Screen  Intelligent image analysis  Number of channels 8 x BNC, 4 x IP (6000 Serie) Supported functions for analog cameras Line cross, Zone entrance Supported functions for IP cameras Object detection, Exception, Line cross, Zone entrance  Network Network Interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s Network Protocols Support HTP, TCP/IP, IPv4/NG, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPPGE, SMTP, P2P, HTMLS NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefox, Chrome, Opera, N Control 6000, EdgesSafan, N Control 6000. EdgesSafan, N Control 6000.	Backup File Format	AVI, RPAS (player included)
Total Internal Capacity 10 TB  Alarm  Motion Detection 18 x 22 grid, individual settings of sensitivity System Reaction to Alarm Events bzzer, e-mail, alarm output activation, PTZ, Full Screen  Intelligent image analysis  Number of channels 8 x BNC, 4 x IP (6000 Serie) Supported functions for analog cameras Line cross, Zone entrance Supported functions for P cameras Detection (Exception, Line cross, Zone entrance)  Network  Network interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s Network Protocols Support HTP, TCP/IP, IPA-4/K6, HTTPS, FTP, DHCP, DNS, DNNS, NTP, RTSP, UPPP, SMMP, PPPE, SMTP, P2P, HTMLS  NOVUS MANAGEMENT SYSTEM VSS, NOVUS MA	Storage	
Alarm  Motion Detection 18 x 22 grid, individual settings of sensitivity  System Reaction to Alarm Events buzzer, e-mail, alarm output activation, recording activation, PTZ, Full Screen  Intelligent image analysis  Number of channels 8 x BNC, 4 x IP (6000 Serie)  Supported functions for analog cameras Line cross, Zone entrance  Supported functions for IP cameras Object detection, Exception, Line cross, Zone entrance  Network  Network interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s  Network Protocols Support HTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPPP, SNMP, PPPGE, SMTP, P2P, HTML5  PC/MAC Software NOVLS MANAGEMENT SYSTEM VS, NOVLS MANA	Internal storage	available mount: 1 x HDD 3.5" SATA
Motion Detection 18 x 22 grid, individual settings of sensitivity  System Reaction to Alarm Events buzzer, e-mail, alarm output activation, recording activation, PTZ, Full Screen  Intelligent image analysis  Number of channels 8 x BNC, 4 x IP (6000 Serie)  Supported functions for analog cameras Line cross, Zone entrance  Supported functions for IP cameras Object detection, Exception, Line cross, Zone entrance  Network  Network  Network interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s  Network PTC/PRP, IPV-4/K6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPPP, SNMP, PPPGE, SMTP, P2P, HTML5  PC/MAC Software Chrome, Opera, N Control 6000 Lége/Safari, N Control 6000 Lége/Safari, N Control 6000 Lége/Safari, N Control 6000	Total Internal Capacity	10 TB
System Reaction to Alarm Events buzzer, e-mail, alarm output activation, recording activation, PTZ, Full Screen  Intelligent image analysis  Number of channels 8 x BNC, 4 x IP (6000 Serie)  Supported functions for analog cameras Line cross, Zone entrance  Supported functions for IP cameras Object detection, Exception, Line cross, Zone entrance  Network  Network interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s  Network Protocols Support HTTP, TCP/IP, IPv4/NG, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPPP, SNMP, PPPBE, SMTP, P2P, HTML5  PC/MAC Software NOVUS MANAGEMENT SYSTEM VSS, NOVU	Alarm	
Intelligent image analysis  Number of channels 8 x BNC, 4 x IP (6000 Serie)  Supported functions for analog cameras Line cross, Zone entrance  Supported functions for IP cameras Line cross, Zone entrance  Network  Network interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s  Network Protocols Support HTP, TCP/IP, IPA-4/K6, HTTPS, FTP, LHCP, DNS, DDNS, NTP, RTSP, UPAP, SMMP, PPPGE, SMTP, P2P, HTMLS  NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefox, Chrome, Opera, N Control 6000, Edges Safari, N Control 6000. Edges Safari, N Control 6000.	Motion Detection	18 x 22 grid, individual settings of sensitivity
Number of channels  8 x BNC, 4 x IP (6000 Serie)  Supported functions for analog cameras  Line cross, Zone entrance  Object detection, Exception, Line cross, Zone entrance  Network  Network  Network interface  1 x Ethernet - RJ-45 interface, 10/100 Mbit/s  Network Protocols Support  HTTP, TCP/IP, IP-4/NG, HTTRS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPPeE, SMTP, P2P, HTMLS  NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefox, Chrome, Open A, Control 6000, Edge/Safan, N Control 6000 Edge/Safan, N Control 6000	System Reaction to Alarm Events	buzzer, e-mail, alarm output activation, recording activation, PTZ, Full Screen
Supported functions for analog cameras  Line cross, Zone entrance  Object detection, Exception, Line cross, Zone entrance  Network  Network Interface  1 x Ethernet - RJ-45 interface, 10/100 Mbit/s  Network Protocols Support  HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DNS, NTP, RTSP, UPnP, SNMP, PPPoE, SMTP, P2P, HTML5  PC/MAC Software  NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefox, Chrome, Opera, N Control 6000. Edge/Safari, N Control 6000.	Intelligent image analysis	
Supported functions for IP cameras  Network  Network Interface  1 x Ethernet - RJ-45 interface, 10/100 Mbit/s  Network Protocols Support  HTTP, TCP/IP, IP-44/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UP-PP, SNMP, PPPeE, SMTP, P2P, HTML5  PC/MAC Software  NOVUS MANAGEMENT SYSTEM VS, NOVUS MANAGEMENT SYSTEM VS, NOVUS MANAGEMENT SYSTEM VS, Chrome, Opera, N Control 6000. Edgel/Safari, N Control 6000.	Number of channels	8 x BNC, 4 x IP (6000 Serie)
Network       Network Interface     1 x Ethernet - RJ-45 Interface, 10/100 Mbitys       Network Protocols Support     HTTP, TCP/IP, IPV-4/NG, HTTPS, FTP, DHCP, DNS, DNS, NTP, RTSP, UPnP, SNMP, PPPoE, SMTP, P2P, HTML5       PC/MAC Software     NOVUS MANAGEMENT SYSTEM VS, NOVUS MANAGEMENT SYSTEM VS, DNVLS MANAGEM	Supported functions for analog cameras	Line cross, Zone entrance
Network Interface 1 x Ethernet - RJ-45 interface, 10/100 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 NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefox, Chrome, Opera, N Control 6000, Edge/Safari, N Control 6000	Supported functions for IP cameras	Object detection, Exception, Line cross, Zone entrance
Network Protocols Support  HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPPoE, SMTP, P2P, HTML5  PC/MAC Software  NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefox, Chrome, Opera, N Control 6000, Edge/Safari, N Control 6000	Network	
PC/MAC Software  NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefox, Chrome, Opera, N Control 6000, Edge/Safari, N Control 6000	Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Chrome, Opera, N Control 6000, Edge/Safari, N Control 6000	Network Protocols Support	HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPPoE, SMTP, P2P, HTML5
Mobile applications ipGO 6 (iPhone, Android)	PC/MAC Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefox, Chrome, Opera, N Control 6000, Edge/Safari, N Control 6000
	Mobile applications	ipGO 6 (iPhone, Android)

The recorder is dedicated to work with AHD cameras, Novus 6000 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 polybook: expects are achieved using dual streams (also global streams and polybook) are provided and according to the communication protocol. Detailed data on camera compatibility with recorders and the capabilities of the communication protocol. Detailed data on camera compatibility with recorders and the capabilities of the communication protocol. Detailed data on camera compatibility with recorders and the capabilities of the communication protocol. Detailed data on camera compatibility with recorders and compatibilities of the communication protocol. Detailed data on camera compatibility with recorders and compatibilities of the communication protocol. Detailed data on camera compatibility with recorders and compatibilities of the communication protocol. Detailed data on camera compatibility with recorders and compatibilities of the communication protocol. Detailed data on camera compatibility with recorders and compatibilities of the communication protocol. Detailed data on camera compatibility with recorders and compatibilities of the communication protocol. Detailed data on camera compatibility with recorders and compatibilities of the communication protocol. Detailed data on camera compatibility with recorders and compatibilities of the communication protocol. Detailed data on camera compatibilities of the communication protocol. Detailed data on camera compatibilities of the communication protocol. Detailed data on camera compatibilities of the communication protocol.

Number of Simultaneous Connections

PTZ PTZ Ports PTZ Protocols

PTZ Functions

Auxiliary Interfaces USB Ports Operating system Operating System OSD

COAX COAX Functions

Control

Weight

System Diagnostic Security

Power Consumption

Operating Temperature

Installation parameters Dimensions (mm)