

16-channel IP Recorder

NVR-6316-H2-II



FUNCTIONS



KEY FEATURES

- •16 x video and audio channels
- •Recording speed up to 480 fps at 3840 x 2160
- •Supports resolution up to 3840 x 2160 •Recorded stream size: 112 Mb/s in total from all cameras
- •2 x internal place for HDD mounting •1 x monitor outputs (HDMI 4K UltraHD, VGA)
- •RACK mount •Intelligent image analysis

DIMENSIONS



The recorder is dedicated to work with NOVUS 6000 series IP cameras. Detailed data can be found in the compatibility table available in the DOWNLOADABLE FILES tab.

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	Video	
	IP Cameras	up to 16 channels at 3840 x 2160 resolution (video + audio)
	Maximum Supported Camera Resolution	3840 x 2160
	Compression	H.264, H.265, H.265+, H.265 Smart
	Monitor Output	main (split screen, full screen, sequence): 1 x HDMI, 1 x VGA (up to 2 monitors simultaneously)
	Dualstreaming Support	yes
	Fisheye Support	yes, 6000 IP series cameras using N-VID6, Internet Explorer, N Control 6000
	Audio	
1	Audio Input/Output	1 x line-in (RCA) / 1 x HDMI, 1 x line-out (RCA)
	Recording	
1	Stream Size	112 Mb/s in total from all cameras
	Recording Mode	continuous, triggered by: manual, alarm input, motion detection, intelligent image analysis functions
	Prealarm/Postalarm	up to 5 s/up to 600 s
1	Display	
1	Display Speed	480 fps (16 x 30 fps)
ł	Playback	400 lp3 (20 x 30 lp3)
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	Playback Speed Recorded Data Search	480 fps (16 x 30 fps) by date/time, events, image analysis events, POS, motion in a defined area, tags
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1	Backup	
	Backup Methods	USB port (HDD or Flash memory), network
	Backup File Format	MP4, AVI, RPAS (player included)
	Storage	
	Internal Storage	available mount: 2 x HDD 3.5" 10 TB SATA
	Total Internal Capacity	20 TB
	Alarm	
1	Internal Alarm Input/Output	4/1 relay type
	Camera Alarm Input/Output	supports IP camera's alarm input/output
	Motion Detection	supports camera's motion detection
	System Reaction to Alarm Events	buzzer, alarm output activation, recording activation, PTZ, e-mail with atatchment, Full Screen, PUSH message, voice prompt, snapshot
	Intelligent image analysis	
	Supported Functions	Object Disappearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line Cr Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR)
	Supported Functions Database Capacity	Object Disappearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C
		Object Disappearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR)
	Database Capacity	Object Disappearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR)
	Database Capacity Network	Object Disappearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR) 1000 license plates 1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s
	Database Capacity Network Network Interface Network Protocols Support PC/MAC Software	Object Disappearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR) 1000 license plates 1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s HTTP, TCPIP, IP44/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPPoE, SMTP, P2P, PO HTML5 NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefo Chrome, Opera, IK Control 6000, EdgeSafari, N. Control 6000
	Database Capacity Network Network Interface Network Protocols Support PC/MAC Software Mobile applications	Object Disappearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR) 1000 license plates 1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPPoE, SMTP, P2P, PO: HTTML5 NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefo Chromo, Opera, N Control 6000, Edge/Safari, N Control 6000 N-VID6 (iPhone, Android)
	Database Capacity Network Network Interface Network Protocols Support PC/MAC Software Mobile applications Number of Simultaneous Connections	Object Disappearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR) 1000 license plates 1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s HTTP, TCPL-RJ-45, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPPoE, SMTP, P2P, P0 HTTML5 NOVUS MANAGEMENT SYSTEM VSS. NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefo Chrome, Opera, N Control 6000, Edge/Safari, N Control 6000 N-VID6 (Phone, Android) up to 5 clients, up to 22 main streams or 64 substreams or 16 playback streams in total
	Database Capacity Network Network Interface Network Protocols Support PC/MAC Software Mobile applications Number of Simultaneous Connections Bandwidth	Object Disappearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR) 1000 license plates 1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPPoE, SMTP, P2P, PO: HTTML5 NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefo Chromo, Opera, N Control 6000, Edge/Safari, N Control 6000 N-VID6 (iPhone, Android)
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	Database Capacity Network Network Interface Network Protocols Support PC/MAC Software Mobile applications Number of Simultaneous Connections Bandwidth PTZ PTZ Functions	Object Disappearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR) 1000 license plates 1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s HTTP, TCPIP, IP44v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPPoE, SMTP, P2P, P03 HTTL5 NOVUS MANAGEMENT SYSTEM VSS. NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefo Chrome, Opera, N Control 6000, Edge/Safari, N Control 6000 N xVID6 (Phone, Android) up to 5 Clients, up to 22 main streams or 64 substreams or 16 playback streams in total 112 Mb/s in total to all client workstations
	Database Capacity Network Interface Network Protocols Support PC/MAC Software Mobile applications Number of Simultaneous Connections Bandwidth PTZ PTZ Functions Auxiliary Interfaces	Object Disappearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR) 1000 license plates 1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s HTTP, TCPIP, IP44/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPAP, SNMP, PPPoE, SMTP, P2P, P0' HTML5 NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefo Chromo, Opera, II: Contol 6000. EdgeSafari, N. Control 6000 N-VID6 (Phone, Android) up to 5 clients, up to 22 main streams or 64 substreams or 16 playback streams in total 112 Mb/s in total to all client workstations pan/Rilt/zoom, preset commands
	Datasase Capacity Network Network Interface Network Protocols Support PC/MAC Software Mobile applications Number of Simultaneous Connections Bandwidth PTZ PTZ Punctions Auxiliary Interfaces USB Ports Operating system	Object Disappearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR) 1000 license plates 1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s HTTP, TCPIP, IP44/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPAP, SNMP, PPPoE, SMTP, P2P, P0' HTML5 NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefo Chromo, Opera, II: Contol 6000. EdgeSafari, N. Control 6000 N-VID6 (Phone, Android) up to 5 clients, up to 22 main streams or 64 substreams or 16 playback streams in total 112 Mb/s in total to all client workstations pan/Rilt/zoom, preset commands
	Database Capacity Network Interface Network Protocols Support PC/MAC Software Mobile applications Number of Simultaneous Connections Bandwidth PTZ PTZ Functions Auxiliary Interfaces USB Ports	Object Disappearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR) 1000 license plates 1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s HTTP, TCPIP, IP4Av6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPhP, SNMP, PPPoE, SMTP, P2P, P0C HTML5 NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefo Chrome, Opera, N Control 6000, Edge/Safari, N Control 6000 N-VID6 (Phone, Android) up to 5 clients, up to 22 main streams or 64 substreams or 16 playback streams in total 112 Mbjs in total to all client workstations pan/bilt/zoom, preset commands 2 x USB 2.0,
	Database Capacity Network Network Interface Network Interface Network Protocols Support PC/MAC Software Mobile applications Number of Simultaneous Connections Bandwidth PTZ PTZ Functions Auxiliary Interfaces USB Ports Operating System Operating System	Object Disapearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR) 1000 license plates 1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s HTTP, TCP/P, IP44v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPP0E, SMTP, P2P, P03 HTTL5 NOVUS MANAGEMENT SYSTEM VSS. NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefo Chrome, Opera, N Control 6000, Edge/Safari, N Control 6000 N VID6 (Phone, Android) up to 5 clients, up to 22 main streams or 64 substreams or 16 playback streams in total 112 Mb/s in total to all client workstations 2 x USB 2.0, Linux
	Database Capacity Network Network Interface Network Protocols Support PC/MAC Software Mobile applications Number of Simultaneous Connections Bandwidth PTZ PTZ Functions Auxiliary Interfaces USB Ports Operating system OSD	Object Disapearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR) 1000 license plates 1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s HTTP, TCPIP, IP44v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPPoE, SMTP, P2P, P05 MOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefo Chrome, Opera, IK Control 6000, Edge/Safari, N. Control 6000 N-VID6 (iPhone, Android) up to 5 clients, up to 22 main streams or 64 substreams or 16 playback streams in total 112 Mb/s in total to all client workstations 2 x USB 2.0, Linux languages: Polish, English, others
	Database Capacity Network Network Interface Network Protocols Support PC/MAC Software Mobile applications Number of Simultaneous Connections Bandwidth PTZ PTZ functions Auxiliary Interfaces USB Ports Operating System OpSO Control	Object Disapearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR) 1000 license plates 1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s HTTP, TCPIP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPPoE, SMTP, P2P, P0' HTML5 NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefo Chromo, Opera, II Contol 6000, Edge/Safan, N Control 6000 N-VID6 (Phone, Android) up to 5 clients, up to 22 main streams or 64 substreams or 16 playback streams in total 112 Mbjs in total to all client workstations 2 x USB 2.0, Linux languages: Polish, English, others PC mouse and IR remote controller (in-set included), network
	Natabase Capacity Network Network Interface Network Protocols Support PC/MAC Software Mobile applications Number of Simultaneous Connections Bandwidth PTZ PtXIntoins Auxiliary Interfaces USB Ports Operating System OSD Control System Diagnostic Security	Object Disapearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR) 1000 license plates 1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s HTTP, TCPJP, IPA/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPPoE, SMTP, P2P, P05 MTWLS NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefo Chrome, Opera, N Control 6000, Edge/Safari, N Control 6000 N-VID6 (Phone, Android) up to 5 clients, up to 22 main streams or 64 substreams or 16 playback streams in total 112 Mb/s in total to all client workstations pan/bilt/zoom, preset commands Linux languages: Polish, English, others PC mouse and IR remote controller (in-set included), network automatic control of HDDs, network, camera connection loss
ļ	Natabase Capacity Network Network Interface Network Protocols Support PC/MAC Software Mobile applications Number of Simultaneous Connections Bandwidth PTZ PtZ Portations Operating system OsD Control System Diagnostic Security Installation parameters	Object Disapearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR) 1000 license plates 1 x Ethernet - R)-45 interface, 10/100/1000 Mbl/ts HTTP, TCPIP, IP4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPPOE, SMTP, P2P, P03 MOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefo Chrome, Opera, N Control 6000, Edge/Safari, N Control 6000 N-VID6 (Phone, Android) up to 5 Clients, up to 22 main streams or 64 substreams or 16 playback streams in total 112 Mb/s in total to all client workstations pan/till/zoom, preset commands 2 x USB 2.0, Linux languages: Polish, English, others PC mouse and IR remote controlier (in-set included), network automatic control of: HDDs, network, camera connection loss password protection, IP filtering, MAC filtering, ARP guard
ļ	Natabase Capacity Network Interface Network Protocols Support PC/MAC Software Mobile applications Number of Simultaneous Connections Bandwidth PTZ PtZ functions Auxiliary Interfaces USB Ports Operating System OSD Control System Diagnostic Security Installation parameters Dimensions (mm)	Object Disappearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line C Detection by pedestrian or vehicle, Analysis of Recognized Number Plate Numbers (LPR) 1000 license plates I x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s HTTP, TCPIP, IP-4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, PPDeL, SMTP, P2P, P0S NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefo Chromo: Opera, It Control 6000, EdgeSafari, N. Control 6000 N-VID6 (IPhone, Android) up to 5 clients, up to 22 main streams or 64 substreams or 16 playback streams in total 112 Mb/s in total to all client workstations up an/bilt/zoom, preset commands Linux languages: Polish, English, others PC mouse and IR remote controller (in-set included), network automatic control of: HDDs, network, camera connection loss password protection, IP filtering, MAC filtering, ARP guard 380 (W) x 52 (H) x 258 (D)
ļ	Database Capacity Network Network Interface Network Protocols Support PC/MAC Software Mobile applications Number of Simultaneous Connections Bandwidth PTZ Patholitary Interfaces USB Ports Operating System OSD Control System Diagnostic Security Intellation parameters Dimensions (mm)	Object Disappearance, Face Detection, Perimeter Intrusion Detection by pedestrian or vehicle, Line Cr Detection by pedestrian or vehicle, Analysis of Recognized Number Alex Numbers (LPR) 1000 license plates ** </td
	Natabase Capacity Network Interface Network Protocols Support PC/MAC Software Mobile applications Number of Simultaneous Connections Bandwidth PTZ PtZ functions Auxiliary Interfaces USB Ports Operating System OSD Control System Diagnostic Security Installation parameters Dimensions (mm)	1000 license plates 1 x Ethernet - Bj-45 interface, 10/100/1000 Mbl/t/s HTTP, TCPIP, IPA4v6, HTTPS, FTP, DHCP, DNS, DNS, NTP, RTSP, UPNP, SNMP, PPPoE, SMTP, P2P, POS HTNL5 NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefox Chromo, Opera, N. Control 6000. EggeStafar, N. Control 6000 N-VID6 (IPhone, Android) up to 5 clients, up to 22 main streams or 64 substreams or 16 playback streams in total 112 Mb/s in total to all client workstations 2 x USB 2.0, Linux Ianguages: Polish, English, others PC mouse and IR remote controller (in-set included), network automatic control of: HDDs, network, camera connection loss password protection, IP filtering, MAC filtering, ARP guard 380 (W) x 52 (H) x 268 (D)

The availability of individual functions (including image analysis) depends on the model of the cameras used, as well as the software version of the recorder and cameras. Presented display and playback speeds are achieved using dual-streaming. Detailed data on hard drives can be found in the compatibility table available in the DOWNLOADABLE FILES tab.