

NOVUS MANAGEMENT SYSTEM VSS IP Recorder

NMS VSS NVR X-2U-III-120TB



PRO SERIES

KEY FEATURES





•Video and audio channels: 200 •Supports resolution up to 4000 x 3000 •Recorded stream size: 450 Mb/s in total from all cameras

•Supports up to 3 monitors simultaneously •Built-in HDDs: 12 x 10 TB server-dedicated SAS for 24/7 recording

•RAID controller protects recordings

External arrays support

Operating system: Microsoft Windows 10 IoT

•Recording and surveillance system: NOVUS MANAGEMENT SYSTEM VSS

•Compatible with all NOVUS IP cameras

•Redundant PSUs: 2

COMPLIANCE



DIMENSIONS



IP Camera Recording	160 channels at 1920x1080 (video+audio) using H.264 codec • 200 channels at 1920x1080 (video+audio) using H.265 codec
Maximum Supported Camera	4000x3000
Resolution	
Supported Codes	H.264, H.264+, H.265, H.265+, MJPEG
Supported Cameras and Protocols	Novus, Novus fisheye, ONVIF, ONVIF fisheye, RTSP, RTSP fisheye • (purchase of the appropriate license is required)
Dualstreaming Support	yes
DISPLAY	
Monitor Output	3 x Mini Display Port 1.2, (up to 3 monitors simultaneously)
Maximum Resolution	3 x 4K UltraHD
AUDIO	
Audio Output	3 x Mini Display Port 1.2
PERFORMANCE - H.264	
2MPX IP Camera	Recording up to: 160 main streams (while displaying: 8 sub streams • Display up to: 8 sub streams or 8 main streams (while recording: 160 main streams) • Playback up to: 8 main streams (while recording: 160 main streams)
4MPX IP Camera	Recording up to: 120 main streams (while displaying: 8 sub streams • Display up to: 8 sub streams or 8 main streams (while recording: 120 main streams) • Playback up to: 8 main streams (while recording: 120 main streams)
5MPX IP Camera	Recording up to: 100 main streams (while displaying: 8 sub streams • Display up to: 8 sub streams or 8 main streams (while recording: 100 main streams) • Playback up to: 8 main streams (while recording: 8 main streams)
8MPX IP Camera	Recording up to: 80 main streams (while displaying: 8 sub streams) Display up to: 8 sub streams or 6 main streams (while recording: 80 main streams) • Playback up to: 6 main streams (while recording: 80 main streams)
12MPX IP Camera	Recording up to: 80 main streams (while displaying: 8 sub streams) Display up to: 8 sub streams or 4 main streams (while recording: 80 main streams) • Playback up to: 4 main streams (while recording: 80 main streams)
PERFORMANCE - H.265	
2MPX IP Camera	Recording up to: 200 main streams (while displaying: 8 sub streams • Display up to: 8 sub streams or 8 main streams (while recording: 200 main streams) • Playback up to: 8 main streams (while recording: 200 main streams)

Unit with the NOVUS MANAGEMENT SYSTEM VSS software installed adapted to 24/7 operation.





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Internal storage for system	1 x SSD NVMe
	1 x SSD NVMe
HDD	
HDD	
backup me romat	JE 6, BM, AV, MAS
Backup File Format	JPEG, BMP, AVI, NMS
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Backup Methods	USB port (HDD lor Flash drive), Network
BACKUP	
ВАСКИР	
Recorded Data Search	By Date/Time, Events, "Text-in", Image Analysis Events
PLAYBACK	
riedidiiii/rustalaliii	0μ to: 30870μ to: 0008
Prealarm/Postalarm	Up to: 30s / Up to: 600s
Draalarm /Dactalarm	
	possibility of combining individual recording modes
Schedule	
	days (holidays etc.), configuration with an accuracy of: 15 min,
	individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with an accuracy of: 15 min,
	possibility of combining individual recording modes
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	possibility of combining individual recording modes
Proplarm/Postalarm	
Prealarm/Postalarm	Up to: 30s / Up to: 600s
Prealarm/Postalarm	Up to: 30s / Up to: 600s
	op to: 5037 op to: 6003
PLAYBACK	
PLAYBACK	
Becorded Data Search	By Date/Time Events "Text-in" Image Analysis Events
Recorded Data Search	By Date/Time, Events, "Text-in", Image Analysis Events
Recorded Data Search	By Date/Time, Events, Text-IIT, Image Analysis Events
BACKUP	
BACKUP	
DACKUP	
De aluur Matha da	UCD sest (UDD les Electedrice) Network
Backup Methods	USB port (HDD lor Flash drive), Network
Backup File Format	IPEG RMP AVI NMS
backup rile ronnal	JPEG, DMP, AVI, NMS
HDD	
Internal storage for system	1 x SSD NVMe
Internal Storage for Recording	12 x 10TB SAS 3,5" surveillance grade server storage media
RAID Redundancy	RAID types: RAID 0, RAID 1, RAID 5, RAID 6
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ALARMS	
	support of alarm input and output built in cameras
Alarm Input/output in cameras	support of diditit input and output balle in calleras
Alarm Input/output in cameras	
	support of motion detection built in comerce
	support of motion detection built in cameras
Motion detection	
Motion detection	support of motion detection built in cameras supported built in analytics in camera
Motion detection Video Analytics	supported built in analytics in camera
Alarm Input/output in cameras Motion detection Video Analytics Temperature alarm	
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Motion detection Video Analytics Temperature alarm Licence plate recognition (LPR) NETWORK	supported built in analytics in camera support of temperature alarm built in cameras support of selected image analysis functions available in the camera
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Motion detection Video Analytics Temperature alarm Licence plate recognition (LPR) NETWORK Network Interface	supported built in analytics in camera support of temperature alarm built in cameras support of selected image analysis functions available in the camera 2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s
Motion detection Video Analytics Temperature alarm Licence plate recognition (LPR) NETWORK Network Interface	supported built in analytics in camera support of temperature alarm built in cameras support of selected image analysis functions available in the camera 2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s up to 450Mbit/s from all cameras • up to 450Mbit/s to all client
Motion detection Video Analytics Temperature alarm Licence plate recognition (LPR) NETWORK Network Interface	supported built in analytics in camera support of temperature alarm built in cameras support of selected image analysis functions available in the camera 2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s up to 450Mbit/s from all cameras • up to 450Mbit/s to all client
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Motion detection Video Analytics Temperature alarm Licence plate recognition (LPR) NETWORK Network Interface Network Throughput Network Protocols Support Compatible Mobile Applications	 supported built in analytics in camera support of temperature alarm built in cameras support of selected image analysis functions available in the camera 2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s up to 450Mbit/s from all cameras • up to 450Mbit/s to all client stations • Max network throughput: 450Mbit/s for each network carco HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, Multicast, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA
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USB Ports	4 x USB 2.0, 4 x USB 3.2, 1 x USB 3.2 Type-C, 2 x USB 2.0
OPERATING SYSTEM	
Operating System	Microsoft Windows 10 IoT
Recording and Surveillance System	NOVUS MANAGEMENT SYSTEM VSS
Operation Mode	Pentaplex
OSD	Polish, English, Russian, others
Control	PC mouse and keyboard (in-set included), DCZ keyboard
System Diagnostic	automatic control of: HDDs, Temperature, Fan, Network, Camera connection loss
Security	Password protection, IP filtering, MAC filtering, Limiting the number of connections
INTEGRATION	
Integrated Devices	Novus IP Cameras, Novus IP Recorders, Novus AHD Recorders, POS Systems (Posnet, Upos and other), ONVIF Devices, RTSP Devices
INSTALLATION PARAMETERS	
Dimensions (mm)	437 (W) x 89 (H) x 648 (D)
	437 (W) x 89 (H) x 648 (D) 24 kg (with HDDs)
Dimensions (mm) Weight Power Supply	
Weight	24 kg (with HDDs) built in 2 x redundant power supply 230VAC input with 960W power
Weight Power Supply	24 kg (with HDDs) built in 2 x redundant power supply 230VAC input with 960W power each

Note: The device requires registration and license activation. There is an option to activate a 60-day trial license. After this period, the purchase of a NOVUS MANAGEMENT SYSTEM VSS software license specific to the application is required. To choose the appropriate license, please contact the sales department.

