NoVus

NOVUS MANAGEMENT SYSTEM VSS IP Recorder

NMS VSS NVR X-4U-III





KEY FEATURES















- •Supports resolution up to 4000 x 3000
- •Recorded stream size: 450 Mb/s in total from all
- •Supports up to 3 monitors simultaneously
- •optional disk mounting: 8 x SATA 3,5"
- •External arrays support
- •Operating system: Microsoft Windows 10 IoT
- Recording and surveillance system: NOVUS MANAGEMENT SYSTEM VSS
- •Compatible with all NOVUS IP cameras

COMPLIANCE



DIMENSIONS



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

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VIDEO		
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 Resolution	4000x3000	
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	1 x HDMI 2.0b, 1 x Dual link-DVI, 1 x Display Port 1.2 (up to 3 monitors simultaneously)	
Maximum Resolution	3 x 4K UltraHD	
AUDIO		
Audio Output	1 x HDMI, 1 x Display Port	
PERFORMANCE - H.264		
2MPX IP Camera	Recording up to: 160 main streams (while displaying: 8 sub streams) • Display up to: 60 sub streams or 20 main streams (while recording: 80 main streams) • Playback up to: 20 main streams (while recording: 80 main streams)	
4MPX IP Camera	Recording up to: 120 main streams (while displaying: 8 sub streams) • Display up to: 50 sub streams or 13 main streams (while recording: 80 main streams) • Playback up to: 13 main streams (while recording: 80 main streams)	
5MPX IP Camera	Recording up to: 100 main streams (while displaying: 8 sub streams) • Display up to: 40 sub streams or 8 main streams (while recording: 80 main streams) • Playback up to: 8 main streams (while recording: 80 main streams)	
8MPX IP Camera	Recording up to: 80 main streams (while displaying: 8 sub streams) • Display up to: 30 sub streams or 5 main streams (while recording: 60 main streams) • Playback up to: 5 main streams (while recording: 60 main streams)	
12MPX IP Camera	Recording up to: 80 main streams (while displaying: 8 sub streams) • Display up to: 25 sub streams or 4 main streams (while recording: 50 main streams) • Playback up to: 4 main streams (while recording: 50 main streams)	
PERFORMANCE - H.265		



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2MPX IP Camera	Recording up to: 200 main streams (while displaying: 8 sub streams) • Display up to: 60 sub streams or 20 main streams (while recording: 80 main streams) • Playback up to: 20 main streams (while recording: 80 main streams)	
4MPX IP Camera	Recording up to: 160 main streams (while displaying: 8 sub streams) • Display up to: 40 sub streams or 9 main streams (while recording: 80 main streams) • Playback up to: 9 main streams (while recording: 80 main streams)	
5MPX IP Camera	Recording up to: 120 main streams (while displaying: 8 sub streams) • Display up to: 35 sub streams or 4 main streams (while recording: 70 main streams) • Playback up to: 4 main streams (while recording: 70 main streams)	
8MPX IP Camera	Recording up to: 90 main streams (while displaying: 8 sub streams) • Display up to: 25 sub streams or 4 main streams (while recording: 70 main streams) • Playback up to: 4 main streams (while recording: 70 main streams)	
12MPX IP Camera	Recording up to: 90 main streams (while displaying: 8 sub streams) • Display up to: 16 sub streams or 4 main streams (while recording: 50 main streams) • Playback up to: 4 main streams (while recording: 50 main streams)	
RECORDING		
Recording Mode	Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS, temerature alarm	
Schedule	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	
Prealarm/Postalarm	Up to: 30s / Up to: 600s	
PLAYBACK		
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Recorded Data Search	By Date/Time, Events, "Text-in", Image Analysis Events	
BACKUP	By Date/Time, Events, "Text-in", Image Analysis Events	
	By Date/Time, Events, "Text-in", Image Analysis Events USB port (HDD lor Flash drive), Network	
ВАСКИР		
BACKUP Backup Methods	USB port (HDD lor Flash drive), Network	
BACKUP Backup Methods Backup File Format	USB port (HDD lor Flash drive), Network	
BACKUP Backup Methods Backup File Format HDD	USB port (HDD lor Flash drive), Network JPEG, BMP, AVI, NMS	
BACKUP Backup Methods Backup File Format HDD Internal storage for system	USB port (HDD lor Flash drive), Network JPEG, BMP, AVI, NMS 1 x SSD NVMe 8 available bays for 3,5" HDD surveillance grade storage media in	
BACKUP Backup Methods Backup File Format HDD Internal storage for system Internal Storage for Recording	USB port (HDD lor Flash drive), Network JPEG, BMP, AVI, NMS 1 x SSD NVMe 8 available bays for 3,5" HDD surveillance grade storage media in	
BACKUP Backup Methods Backup File Format HDD Internal storage for system Internal Storage for Recording ALARMS	USB port (HDD lor Flash drive), Network JPEG, BMP, AVI, NMS 1 x SSD NVMe 8 available bays for 3,5" HDD surveillance grade storage media in Hot-Swap bays	
BACKUP Backup Methods Backup File Format HDD Internal storage for system Internal Storage for Recording ALARMS Alarm Input/output in cameras	USB port (HDD lor Flash drive), Network JPEG, BMP, AVI, NMS 1 x SSD NVMe 8 available bays for 3,5" HDD surveillance grade storage media in Hot-Swap bays support of alarm input and output built in cameras	
BACKUP Backup Methods Backup File Format HDD Internal storage for system Internal Storage for Recording ALARMS Alarm Input/output in cameras Motion detection	USB port (HDD lor Flash drive), Network JPEG, BMP, AVI, NMS 1 x SSD NVMe 8 available bays for 3,5" HDD surveillance grade storage media in Hot-Swap bays support of alarm input and output built in cameras support of motion detection built in cameras	
BACKUP Backup Methods Backup File Format HDD Internal storage for system Internal Storage for Recording ALARMS Alarm Input/output in cameras Motion detection Video Analytics	USB port (HDD lor Flash drive), Network JPEG, BMP, AVI, NMS 1 x SSD NVMe 8 available bays for 3,5" HDD surveillance grade storage media in Hot-Swap bays support of alarm input and output built in cameras support of motion detection built in cameras supported built in analytics in camera	
BACKUP Backup Methods Backup File Format HDD Internal storage for system Internal Storage for Recording ALARMS Alarm Input/output in cameras Motion detection Video Analytics Temperature alarm	USB port (HDD lor Flash drive), Network JPEG, BMP, AVI, NMS 1 x SSD NVMe 8 available bays for 3,5" HDD surveillance grade storage media in Hot-Swap bays support of alarm input and output built in cameras support of motion detection built in cameras supported built in analytics in camera support of temperature alarm built in cameras	
BACKUP Backup Methods Backup File Format HDD Internal storage for system Internal Storage for Recording ALARMS Alarm Input/output in cameras Motion detection Video Analytics Temperature alarm Licence plate recognition (LPR)	USB port (HDD lor Flash drive), Network JPEG, BMP, AVI, NMS 1 x SSD NVMe 8 available bays for 3,5" HDD surveillance grade storage media in Hot-Swap bays support of alarm input and output built in cameras support of motion detection built in cameras supported built in analytics in camera support of temperature alarm built in cameras	
BACKUP Backup Methods Backup File Format HDD Internal storage for system Internal Storage for Recording ALARMS Alarm Input/output in cameras Motion detection Video Analytics Temperature alarm Licence plate recognition (LPR) NETWORK	USB port (HDD lor Flash drive), Network JPEG, BMP, AVI, NMS 1 x SSD NVMe 8 available bays for 3,5" HDD surveillance grade storage media in Hot-Swap bays support of alarm input and output built in cameras support of motion detection built in cameras supported built in analytics in camera support of temperature alarm built in cameras support of selected image analysis functions available in the camera	
BACKUP Backup Methods Backup File Format HDD Internal storage for system Internal Storage for Recording ALARMS Alarm Input/output in cameras Motion detection Video Analytics Temperature alarm Licence plate recognition (LPR) NETWORK Network Interface	USB port (HDD lor Flash drive), Network JPEG, BMP, AVI, NMS 1 x SSD NVMe 8 available bays for 3,5" HDD surveillance grade storage media in Hot-Swap bays support of alarm input and output built in cameras support of motion detection built in cameras 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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PTZ		
PTZ Functions	pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, iris	
ADDITIONAL INTERFACES		
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)	178 (W) x 452 (H) x 648 (D)	
Weight	28 kg (without HDD)	
Power Supply	built in 700W, with 230VAC input	
Power consumption/heatprint	350W/280W (without HDD for recording)	
Operating Temperature	5°C ~ 35°C	
RACK Mount 19"	4U	

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.



