NoVus

NOVUS MANAGEMENT SYSTEM VSS IP Recorder

NMS VSS NVR 7-T-IV



KEY FEATURES













- •Video and audio channels: 180
- \bullet Recording speed up to 4500 fps at 1920 x 1080
- \bullet Supports resolution up to 4000 x 3000
- •Recorded stream size: 500 Mb/s in total from all cameras
- •Supports up to 3 monitors simultaneously
- \bullet optional disk mounting: 4 x SATA 3,5"
- •Operating system: Microsoft Windows 10 IoT
- Recording and surveillance system: NOVUS MANAGEMENT SYSTEM VSS
- •Compatible with all NOVUS IP cameras

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 • 180 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	1x HDMI 2.0b, $1x$ Display Port 1.4, $1x$ Dual link DVI-D (up to 3 monitors simultaneously)	
Maximum Resolution	3 x 4K UltraHD	
AUDIO		
Audio input	1 x Line in (3,5mm), 1 x Mic in(3,5mm)	
Audio Output	1 x Line (3,5mm), 1 x HDMI, 1 x Display Port	
Audio Input/Output in Cameras	Supports audio input/output build in cameras	
PERFORMANCE - H.264		
2MPX IP Camera	Recording up to: 160 main streams (while displaying: 8 sub streams) • Display up to: 80 sub streams or 25 main streams (while recording: 80 main streams) • Playback up to: 25 main streams (while recording: 80 main streams)	
4MPX IP Camera	Recording up to: 100 main streams (while displaying: 8 sub streams) • Display up to: 76 sub streams or 14 main streams (while recording: 76 main streams) • Playback up to: 14 main streams (while recording: 76 main streams)	
5MPX IP Camera	Recording up to: 85 main streams (while displaying: 8 sub streams) of Display up to: 68 sub streams or 13 main streams (while recording: 68 main streams) of Playback up to: 13 main streams (while recording: 68 main streams)	
8MPX IP Camera	Recording up to: 70 main streams (while displaying: 8 sub streams) • Display up to: 60 sub streams or 9 main streams (while recording: 70 main streams) • Playback up to: 9 main streams (while recording: 70 main streams)	
12MPX IP Camera	Recording up to: 50 main streams (while displaying: 8 sub streams) of Display up to: 44 sub streams or 3 main streams (while recording: 44 main streams) of Playback up to: 3 main streams (while recording: 44 main streams)	
PERFORMANCE - H.265		

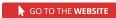


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2MPX IP Camera	Recording up to: 180 main streams (while displaying: 8 sub streams) • Display up to: 76 sub streams or 21 main streams (while recording: 76 main streams) • Playback up to: 21 main streams (while recording: 76 main streams)	
4MPX IP Camera	Recording up to: 140 main streams (while displaying: 8 sub streams) • Display up to: 64 sub streams or 13 main streams (while recording: 64 main streams) • Playback up to: 13 main streams (while recording: 64 main streams)	
5MPX IP Camera	Recording up to: 110 main streams (while displaying: 8 sub streams) • Display up to: 64 sub streams or 11 main streams (while recording: 64 main streams) • Playback up to: 11 main streams (while recording: 64 main streams)	
8MPX IP Camera	Recording up to: 90 main streams (while displaying: 8 sub streams) • Display up to: 54 sub streams or 6 main streams (while recording: 54 main streams) • Playback up to: 6 main streams (while recording: 54 main streams)	
12MPX IP Camera	Recording up to: 75 main streams (while displaying: 8 sub streams) • Display up to: 40 sub streams or 4 main streams (while recording: 40 main streams) • Playback up to: 4 main streams (while recording: 40 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		
Recorded Data Search	By Date/Time, Events, "Text-in"	
BACKUP		
Backup Methods	USB port (HDD lor Flash drive)	
Backup File Format	JPEG, BMP, AVI, NMS	
HDD		
Internal storage for system	1 x SSD NVMe	
Internal Storage for Recording	4 available bays for 3,5" HDD surveillance grade storage media	
ALARMS		
Alarm Input/output in cameras	support of alarm input and output built in cameras	
Motion detection	support of motion detection built in cameras	
Video Analytics	supported built in analytics in camera	
Temperature alarm	support of temperature alarm built in cameras	
Licence plate recognition (LPR)	support of selected image analysis functions available in the camera	
System Reactions to Alarm Events	e-mail, Screen Message, Recording Activation, PTZ	
NETWORK		
Network Interface	1 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s - maximum bandwidth 350 Mbit/s • 1 x Ethernet - złącze RJ45, 10/100/1000/2500 Mbit/s - maximum bandwidth 500 Mbit/s	
Network Throughput	up to 500Mbit/s from all cameras • up to 500Mbit/s to all client stations • Max total network throughput: 850Mbit/s	
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DNS, NTP, RTSP, SNMP, QoS, IEEE 802.1X, SMTP, SAMBA, HTML5	







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Compatible Mobile Applications	NMS Mobile	
PTZ		
PTZ Functions	pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, iris	
ADDITIONAL INTERFACES		
USB Ports	5 x USB 3.2, 2 x USB 2.0, 1 x USB 3.2 Type-C	
OPERATING SYSTEM		
Operating System	Microsoft Windows 10 IoT	
Recording and Surveillance System	NOVUS MANAGEMENT SYSTEM VSS	
Operation Mode	Pentaplex	
OSD	Polish, English, others	
Control	PC mouse and keyboard (in-set included), NV-KBD/ACVSS 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)	185 (W) x 420 (H) x 450 (D)	
Weight	10 kg (without HDDs for recording)	
Power Supply	built in 700W, with 230VAC input	
Operating Temperature	5°C ~ 35°C	

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. Data presented in table above for substreams are given for 640x480 resolution.



