

# **NOVUS MANAGEMENT SYSTEM VSS IP Recorder**

NMS VSS NVR 5-4U-III



# FUNCTIONS



#### COMPATIBILITY



### **KEY FEATURES**

- •Video and audio channels: 150 •Recording speed up to 3750 fps at 1920 x 1080
- •Supports resolution up to 4000 x 3000 •Recorded stream size: 350 Mb/s in total
- from all cameras •Supports up to 3 monitors simultaneously
- Supports up to 3 monitors simultaneously optional disk mounting: 6 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



177 mm

427 mm



500 mm

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Recording Mode         Continuous, Schedule, Paric, Triggered: manually, by alaram input, motion detection, video analysis, PGS, tennerature alam           Schedule         mainuture alam           Schedule         mainuture alam           Preatam/Postalam         up to 306 / Up to 500           Preatam/Postalam         By Date/Time, Events, "Text-in"           Backup         Mainue Schedule, Parit, Nick Schedule, Parit, Sch	12MPX IP Camera	Display up to: 20 sub streams or 2 main streams (while recording: 20 main streams)
Number         temmetarue alam           Schedule         carcuracy of 15 min, psssibility of combining individual recording modes           Pealaru-Postalaru         to 2 36 / Up to 600s           Pealaru-Postalaru         be 30s / Up to 600s           Pealaru-Postalaru         be 30s / Up to 600s           Pealaru-Postalaru         be 20 36 / Up to 600s           Pealaru-Postalaru         Bockop field pata Search           Backup field pata Search         By Date/Time, Events, "Text-in"           Backup field pata Search         195 Bort (PDD fields drive), Network           Backup field pata Search         195 Bort (PDD fields drive), Network           Backup field pata Search         195 Bort (PDD fields drive), Network           Backup field pata Search         18 SSD NVMe           Internal Storage for Reacrding         1 SSD NVMe           Internal Storage for Reacrding         Support of amoting induit actumeras           Video Analytick         Support of motion detection built in cameras           Video Analytick         Support of motion detection suilai en analysis functions available in the camera           Video Analytick         Support of motion detection built in cameras           Video Analytick         Support of Satt meanalysis functions available in the camera           Video Analytick         Support of Satt meanalysis functions available i	Recording	
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Playback           Recorded Data Search         By Date/Time, Events, "Text-in"           Backup         USB port (HDD for Flash drive), Network           Backup Flie Format         USB port (HDD for Flash drive), Network           Backup Flie Format         USB port (HDD for Flash drive), Network           Backup Flie Format         USB port (HDD for Flash drive), Network           Hormat         USB port (HDD for Flash drive), Network           Backup Flie Format         USB port (HDD for Flash drive), Network           Hormat         Starge for Scystem           Internal storage for scystem         1 x SDN NVM           Internal Storage for Recording         1 x SDN NVM           Amm Input/duptult in cameras         Support of alarm input and output built in cameras           Mation detection         support of motion detection built in cameras           Video Analytics         support of temperature alarm built in cameras           Lecence plate recognition (LPR)         support of selected image analysis functions available in the camera           Network Interface         1 x Ethernet - RHS interface, 10/100/1000/2500 Mbit/S           Network Interface         1 y Disbhits for anal cameras, up to 350Mbit/S for anal cameras, up to 350	Schedule	
Recorded baseserchgb patertime, Ferst. inBackupBackup MethodsUSB port, MPD for Flash drive), NetworkBackup MethodsUSB port, MPD for Flash drive), NetworkBackup MethodsDeformatBrownIt SSD NVMeInternal storage for system1 \$SD NVMeInternal storage for system3 sol ablabe bays for 3,5' HDD surveillance grade storage mediaAmm Inpul/output in camerassupport of motion detection built in camerasMotion detectionsupport of motion detection built in camerasVideo Analyticssupport of motion detection built in camerasTemperature alarmsupport of motion detection built in camerasNetwork Interfaceyeb of statestators, up of statestators, 		Up to: 30s / Up to: 600s
Backup         Event           Backup Atehbads         USB port (HDD for Flash drive), Network           Backup Flie Format         JPEG, BNP, AVI, NMS           HDD         Internal Storage for system         1 x SSD NVMe           Internal Storage for Recording         6 available bays for 3,5° HDD surveillance grade storage media           Alarm         Support of alarm input and duptup tult in cameras           Motion detection         support of motion detection bult in cameras           Motion detection         support of motion detection built in cameras           Video Analytics         support of temperature alarm built in cameras           Temperature alarm         support of temperature alarm built in cameras           Video Analytics         support of steleted image analysis functions available in the camera           Network Interface         u to 3000010/000/000/00000000000000000000000		
Backup Methods         USB port (HDD lor Flash drive), Network           Backup File Format         JECG, BMP, AVI, MS           HDD         Internal storage for system         1 x SSD NVMe           Internal storage for Recording         6 available bacy for 3,5° HDD surveillance grade storage media           Atams         Support of alarm input and output built in cameras           Motion detection         support of motion detection built in cameras           Motion detection         support of motion detection built in cameras           Video Analytics         support of motion detection built in cameras           Temperature alarm         support of motion detection built in cameras           Ucence plate recognition (LPR)         support of selected image analysis functions available in the camera           Network         yul of 3SMbil/s for all cameras, up of 3SMbil/		By Date/Time, Events, "Text-in"
Backup File Format         JEG, BMP, AN, MS           HDD            Intend storage for system         6. 30431005 system/lance grade storage medial           Intend storage for system         6. 30431005 system/lance grade storage medial           Atamis         Support of adam input and output built in cameras           Mann loud output built in cameras         Support of adiam input and output built in cameras           Motion detection         Support of adiam input and output built in cameras           Vision Adaptics         Support of built in cameras           Temperature alarm         Support of temperature alarm built in cameras           Roter Componential         Support of temperature alarm built in cameras           Network Interface         Support of Support of temperature alarm built in cameras           Network Interface         Support of Support Support Support Supports           Network Interface         Support		LICR port (HDD for Elash drive) Network
HDD           Internal storage for system         1 x SD NVMe           Internal storage for system         3 valiable bays for 3,5" HDD suveillance grade storage media           Alarms         Support of alarm input and output built in cameras           Alarn input/output in cameras         support of alarm input and output built in cameras           Motion detection         support of motion detection built in cameras           Video Analytics         support of support of support of support and mutput in camera           Lecne plate recognition (LPR)         support of support of support and s		
Internal Storage for Recording         6 available bays for 3,5' HDD surveillance grade storage media           Atarns         Support of motion detection built in cameras           Mation Inpul/output in cameras         Support of motion detection built in cameras           Video Analytics         Support of motion detection built in cameras           Temperature alarm         Support of motion detection built in cameras           Licence plate recognition (LPR)         Support of motion detection built in cameras           Network Interface         1 x Etemert - RJ4S interface, 10/10/00/02500 Mbit/s           Network Interface         1 x Stemert - RJ4S interface, 10/10/00/02500 Mbit/s           Network Interface         1 x Etemert - RJ4S interface, 10/10/00/02500 Mbit/s           Network Interface         1 x Etemert - RJ4S interface, 10/10/00/02500 Mbit/s           Network Interface         1 x Etemert - RJ4S interface, 10/10/00/02500 Mbit/s           Network Interface         1 x Etemert - RJ4S interface, 10/10/00/0250 Mbit/s           Network Interface         1 x Etemert - RJ4S interface, 10/10/00/0250 Mbit/s           Network Interface         1 x Etemert - RJ4S interface, 10/10/10/00/0250 Mbit/s           Network Interface         1 x Etemert - RJ4S interface, 10/10/10/00/0250 Mbit/s           Network Interface         1 x Etemert - RJ4S interface, 10/10/10/10/0250 Mbit/s           Network Interface         1 x Etemert -		
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       Network     y to 350Mbil/s for all cameras, up to 350Mbil/s for mall cameras, up to 350Mbil/s for mall cameras, up to 350Mbil/s for all cameras, up to 350Mbil/s fo	Internal storage for system	1 x SSD NVMe
Alam Input/output in cameras         support of alam Input and output built in cameras           Motion detection         support of motion detection built in cameras           Video Analytics         support of motion detection built in cameras           Temperature alam Multicon         support of temperature alam Multi to mameras           Lecnce plate recognition (LPR)         support of superature alam Multi to mameras           Network         support of superature alam Multi to mameras           Network Interface         1 x Etemetar - RJAS Interface, 10100/1000/2500 Mbil/s           Network Throughput         Subplify forn all cameras, up to 350Mbil/s for all came	Internal Storage for Recording	6 available bays for 3,5" HDD surveillance grade storage media
Motion detection         support of motion detection built in camera's           Video Anaytics         support of built in anaytics in camera           Temperature alarm         support of support alarm built in camera's           Lectre opter recognition (LPR)         support of supperature alarm built in camera           Network         temperature alarm built in camera           Network Interface         support of support of support of support of support temperature alarm built in camera           Network Interface         temperature alarm built in camera           Network Interface         temperature alarm built in camera           Network Protocols Support         Support of Support (Som all cameras, support participation)           Network Protocols Support         MITP, CP/IP, IP-V4V6, UDP, HTTPS, DHDS, DDNS, NTP, RTSP, SAMBA           Compatible Mobile Applications         NMS Mobile           PT         Terrolitications         network through support supports           PT         temperature alarm cameras, support support support supports         network through support camera           PT         temperature alarm cameras, support camera         network through support camera           PT         temperature alarm cameras, support camera         network through support camera           PT         temperature alarm cameras, support camera         network through support camera	Alarms	
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       Network     temperature alarm built in cameras       Network     1 x Ethernet - RJAS interface, 10/100/1000/2500 Mbil/s       Network Throughput     up to 350Mbil/s for all cameras, up to 350Mbil/s for all cameras, purposed to the twork card       Network Protocols Support     HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, DMS, DNS, NTP, RTSP, SAMBA       Compatible Mobile Applications     Mobile       PTZ     TET       PTZ     Trutters       Vettoris     analytic, support settors, supportant, support, support, support       Additional Interfaces     putp Lit, zoom, preset commands, patterns, tours, auto-scans, focus, iris       Additional Interfaces     USB Ports		
Tenperature alam     support of temperature alam built in cameras       Licence plate recognition (LPR)     support of selected image analysis functions available in the camera       Network        Network Interface     1 × Ethemet - RPA interface, 01/00/002/500 Mbilys       Network Interface     up to 350Mbilys for all cameras, up to 350Mbilys for all cameras, up to 350Mbilys for each network card       Network Protocols Support     HTTP, TCP/IP, IPv4v6, UDP, HTTPS, DUPC, DDS, DDNS, NTP, RTSP, SAMBA       Compatible Mobile Applications     Mobile       PTZ     Tetter Tette		
Licence plate recognition (LPR)     support of selected image analysis functions available in the camera       Network     1 x Ethernet - RJ4S interface, 10/100/1000/500 Mbil/s       Network Interface     1 x Ethernet - RJ4S interface, 10/100/1000/500 Mbil/s       Network Throughput     up to 350Mbil/s for all cameras, up to 350Mbil/s for all cameras, up to 350Mbil/s for ach network card       Network Protocols Support     MTTP, TCP/IP, IPv4Vv6, UDP, HTTPS, DHCP, DNS, DDNS, NTP, RTSP, SAMBA       Compatible Mobile Applications     NKS Mobile       PTZ     PTZ       PTZ functions     pan, tilt, zoon, preset commands, patterns, tours, auto-scans, focus, iris       Additional Interfaces     VSB 32,		
Network Interface         1 x Ethernet - RJ45 Interface, 10/100/1000/2500 Mbit/s           Network Throughput         up 0350Mbit/s form all cameras, up to 350Mbit/s form all calent stainos, Nax network throughput: 350Mbit/s for each network card           Network Protocols Support         MTD CP/IP, IP-VA/6, UDP, HTTPS, DHCP, DNS, DDNS, NTP, RTSP, SAMBA           Compatible Mabile Applications         MTM 500Bbit/s for each network card           PTZ         TMTPS           PTZ         pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, iris           Additional Interfaces         USB Ports		
Network Throughput         up to 350Mbilts from all cameras, up to 350Mbilts for all client stations, Max network throughilts for each network card           Network Throughput         MTTP, TCP/IP, IPV4Ve6, UDP, HTTPS, DHCP, DNS, DDNS, NTP, RTSP, SAMBA           Compatible Mobile Applications         MTTP, TCP/IP, IPV4Ve6, UDP, HTTPS, DHCP, DNS, DDNS, NTP, RTSP, SAMBA           PTZ         Mtto and the statistications, maximum statistications           PTZ         PTZ           Usto partitible Applications         pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, iris           Additional interfaces         USB Ports         4 x USB 3.2,	Network	
Network Throughput         up to 350Mbil/s to all client stations, Max network throughput 350Mbil/s for each network card           Network Protocols Support         HTTP, TCP/IP, IPv4Ve, UDP, HTTPS, DHCP, DNS, DDNS, NTP, RTSP, SAMBA           Compatible Mobile Applications         NKS Mobile           PTZ         PTZ           PT2 functions         pan, tilt, zoon, preset commands, patterns, tours, auto-scans, focus, iris           Additional interfaces         VSB 32,	Network Interface	
Compatible Applications     NMS Mobile       PTZ     pt2       PTZ Functions     pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, iris       Additional interfaces     USB Ports       VSB Ports     4x USB 3.2,	Network Throughput	up to 350Mbit/s to all client stations, Max network throughput: 350Mbit/s for each network card
PTZ       PTZ Functions     pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, iris       Additional interfaces     USB Ports       USB Ports     4 x USB 3.2,		
PTZ Functions     pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, iris       Additional interfaces     USB Ports     4 x USB 3.2,		NMS Mobile
Additional interfaces USB Ports 4 x USB 3.2,		
USB Ports 4 x USB 3.2,		pan, un, zoom, preset commanus, patterns, tours, auto-scans, tocus, ins
		4 x USB 3.2.
	Operating System	· · · · · · · · · · · · · · · · · · ·

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Operating System	Microsoft Windows 10 IoT
Recording and Surveillance System	NOVUS MANAGEMENT SYSTEM VSS
Additional Software	Internet Explorer
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
Integrated Devices Installation Parameters	
•	
Installation Parameters	ONVIF Devices, RTSP Devices
Installation Parameters Dimensions (mm)	ONVIF Devices, RTSP Devices
Installation Parameters Dimensions (mm) Weight	0NVIF Devices, RTSP Devices 427 (W) x 177 (H) x 500 (D) 20 kg (without HDDs for recording)
Installation Parameters Dimensions (mm) Weight Power Supply	ONVIF Devices, RTSP Devices           427 (W) x 177 (H) x 500 (D)           20 kg (without HDDs for recording)           built in 700W, with 230VAC input

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.