

NOVUS MANAGEMENT SYSTEM VSS IP Recorder

NMS VSS NVR X-4U-III-R

PRO SERIES

KEY FEATURES

H	265			
x200	450 mb/s	2 ×8	3300 fµs	L ×3
V+A	Stream	HDD	● REC	Monitor

•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 •optional disk mounting: 8 x SATA 3,5" •RAID controller protects recordings

•External arrays support •Operating system: Microsoft Windows 10 IoT

•Recording and surveillance system: NMS (Novus Management System)

•Compatible with all NOVUS IP cameras

COMPATIBILITY



DIMENSIONS



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		
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)	







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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		
Recorded Data Search	By Date/Time, Events, "Text-in", Image Analysis Events	
BACKUP		
Backup Methods	USB port (HDD lor Flash drive), Network	
Backup File Format	JPEG, BMP, AVI, NMS	
HDD Internal storage for system	1 x SSD NVMe	
Internal Storage for Recording	8 available bays for 3,5" HDD surveillance grade storage media	
RAID Redundancy	RAID types: RAID 0, RAID 1, RAID 5, RAID 6	
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		
Network Interface	2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s	
Network Throughput	up to 450Mbit/s from all cameras • up to 450Mbit/s to all client stations • Max network throughput: 450Mbit/s for each network card	
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA	
Compatible Mobile Applications	NMS Mobile	
PTZ		
PTZ Functions	pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, iris	





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Microsoft Windows 10 IoT
NOVUS MANAGEMENT SYSTEM VSS
Pentaplex
Polish, English, Russian, others
PC mouse and keyboard (in-set included), DCZ keyboard
automatic control of: HDDs, Temperature, Fan, Network, Camera connection loss
Password protection, IP filtering, MAC filtering, Limiting the number of connections
Novus IP Cameras, Novus IP Recorders, Novus AHD Recorders, POS Systems (Posnet, Upos and other), ONVIF Devices, RTSP Devices
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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.

