NOVUS

NMS IP Recorder

NMS NVR 7-4U-III



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
- Supports up to 3 monitors simultaneously
- •optional disk mounting: 6 x SATA 3,5"
- •Operating system: Microsoft Windows 10 IoT
- •Recording and surveillance system: NMS (Novus Management System)
- •Compatible with all NOVUS IP cameras

DIMENSIONS



RACK Mount 19"	4U	
VIDEO		
IP Camera Recording	120 channels at 1920x1080 (video+audio) using H.264 codec • 150 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	
Dualstreaming Support	yes	
DISPLAY		
Monitor Output	$1\ x\ HDMI\ 2.0b,\ 1\ x\ Display\ Port\ 1.4,\ 1\ x\ Dual\ link\ DVI-D\ (up\ to\ 3\ monitors\ simultaneously)$	
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: 120 main streams (while displaying: 8 sub streams) • Display up to: 70 sub streams or 20 main streams (while recording: 70 main streams) • Playback up to: 20 main streams (while recording: 70 main streams)	
4MPX IP Camera	Recording up to: 70 main streams (while displaying: 8 sub streams) • Display up to: 70 sub streams or 13 main streams (while recording: 70 main streams) • Playback up to: 13 main streams (while recording: 70 main streams)	
5MPX IP Camera	Recording up to: 60 main streams (while displaying: 8 sub streams) • Display up to: 60 sub streams or 8 main streams (while recording: 60 main streams) • Playback up to: 8 main streams (while recording: 60 main streams)	
8MPX IP Camera	Recording up to: 40 main streams (while displaying: 8 sub streams) • Display up to: 40 sub streams or 5 main streams (while recording: 40	

main streams)

main streams)

main streams) • Playback up to: 5 main streams (while recording: 40

Recording up to: 35 main streams (while displaying: 8 sub streams) • Display up to: 35 sub streams or 8 main streams (while recording: 35 main streams) • Playback up to: 8 main streams (while recording: 35

DED	MAN	ICE -	H.265

12MPX IP Camera







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2MPX IP Camera	Recording up to: 150 main streams (while displaying: 8 sub streams) • Display up to: 55 sub streams or 15 main streams (while recording: 55 main streams) • Playback up to: 15 main streams (while recording: 55 main streams)
4MPX IP Camera	Recording up to: 100 main streams (while displaying: 8 sub streams) • Display up to: 50 sub streams or 8 main streams (while recording: 50 main streams) • Playback up to: 8 main streams (while recording: 50 main streams)
5MPX IP Camera	Recording up to: 80 main streams (while displaying: 8 sub streams) • Display up to: 60 sub streams or 5 main streams (while recording: 60 main streams) • Playback up to: 5 main streams (while recording: 60 main streams)
8MPX IP Camera	Recording up to: 70 main streams (while displaying: 8 sub streams) • Display up to: 65 sub streams or 4 main streams (while recording: 65 main streams) • Playback up to: 4 main streams (while recording: 65 main streams)
12MPX IP Camera	Recording up to: 56 main streams (while displaying: 8 sub streams) • Display up to: 32 sub streams or 4 main streams (while recording: 32 main streams) • Playback up to: 4 main streams (while recording: 32 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"
Recorded Data Search BACKUP	By Date/Time, Events, "Text-in"
	By Date/Time, Events, "Text-in" 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
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
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 6 available bays for 3,5" HDD surveillance grade storage media
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 6 available bays for 3,5" HDD surveillance grade storage media 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 6 available bays for 3,5" HDD surveillance grade storage media 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 6 available bays for 3,5" HDD surveillance grade storage media 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 6 available bays for 3,5" HDD surveillance grade storage media 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 6 available bays for 3,5" HDD surveillance grade storage media 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) System Reactions to Alarm Events	USB port (HDD lor Flash drive), Network JPEG, BMP, AVI, NMS 1 x SSD NVMe 6 available bays for 3,5" HDD surveillance grade storage media 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) System Reactions to Alarm Events NETWORK	USB port (HDD lor Flash drive), Network JPEG, BMP, AVI, NMS 1 x SSD NVMe 6 available bays for 3,5" HDD surveillance grade storage media 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 e-mail, Screen Message, Recording Activation, PTZ 1 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s • 1 x Ethernet -
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) System Reactions to Alarm Events NETWORK Network Interface	USB port (HDD lor Flash drive), Network JPEG, BMP, AVI, NMS 1 x SSD NVMe 6 available bays for 3,5" HDD surveillance grade storage media 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 e-mail, Screen Message, Recording Activation, PTZ 1 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s • 1 x Ethernet - złącze RJ45, 10/100/1000/2500 Mbit/s up to 350Mbit/s from all cameras • up to 350Mbit/s to all client







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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	4 x USB 3.2,	
OPERATING SYSTEM		
Operating System	Microsoft Windows 10 IoT	
Recording and Surveillance System	NMS (Novus Management System)	
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, NMS- ANPR Software, DSC Systems, POS Systems (Posnet, Upos and other), ONVIF Devices, RTSP Devices	
INSTALLATION PARAMETERS		
Dimensions (mm)	482 (W) x 178 (H) x 505 (D)	
Weight	24 kg (without HDDs for recording)	
Power Supply	built in 700W, with 230VAC input	
Power consumption/heatprint	280W/230W (without HDD for recording)	
Operating Temperature	5°C ~ 35°C	
RACK Mount 19"	4U	

Attention

To support more than 1 RTSP stream and 1 ONVIF stream you will need special licence key.



