NoVus

NMS IP Recorder

NMS NVR 7-T-II



FUNCTIONS













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

- rrom all cameras

 Supports up to 3 monitors simultaneously

 optional disk mounting: 5 x SATA 3,5"

 Operating system: Microsoft Windows 10 IoT

 Compatible with all NOVUS IP cameras

 Anti-vibration bracket in-set included

DIMENSIONS







505 mm

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 1.2, 1 x Dual link-DVI (up to 3 monitors si
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 m 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 m Playback up to: 13 main streams (while recording: 70 main streams)
SMPX 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 ma Playback up to: 8 main streams (while recording: 30 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 ma Playback up to: 5 main streams (while recording: 40 main streams)
12MPX IP Camera	Recording up to: 35 main streams (while displaying: 8 sub streams) Display up to: 35 sub streams or 8 main streams (while recording: 35 ma Playback up to: 8 main streams (while recording: 35 main streams)
Performance - H.265	
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 m 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 ma Playback up to: 8 main streams (while recording: 50 main streams)
SMPX 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 ma Playback up to: 5 main streams (while recording: 60 main streams)
	Describes up to 70 main streams (while displaying 9 sub streams)

Supported Codes	H 264 H 265 H 265 H 265 H MIDEG
Supported Cameras and Protocols	H.264, H.264+, H.265, H.265+, MJPEG
	Novus, Novus fisheye, ONVIF, ONVIF fisheye, RTSP, RTSP fisheye
Dualstreaming Support	yes
Display	
Monitor Output	1 x HDMI 2.0b, 1 x Display Port 1.2, 1 x Dual link-DVI (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
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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: 30 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) Palyaback up to: 5 main streams (while recording: 40 main streams) Palyaback up to: 5 main streams (while recording: 40 main streams)
12MPX IP Camera	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)
Performance - H.265	Playback up to: 8 main streams (while recording: 35 main streams)
Total Marie	Describe to the AFO and a because (while displaying O and absorbed)
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 amin 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) Palyaback 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	·
•	Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,
Recording Mode	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
Schedule Prealarm/Postalarm	individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with
	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 Playback	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 Up to: 30s / Up to: 600s
Prealarm/Postalarm Playback Recorded Data Search	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 Playback Recorded Data Search Backup	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in"
Prealarm/Postalarm Playback Recorded Data Search Backup Backup Methods	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive)
Prealarm/Postalarm Playback Recorded Data Search Backup	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in"
Prealarm/Postalarm Playback Recorded Data Search Backup Backup Methods	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive)
Prealamn/Postalarm Playback Recorded Data Search Backup Backup Methods Backup File Format	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive)
Prealarm/Postalarm Playback Recorded Data Search Backup Backup Pile Format HDD Internal storage for system	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA
Prealarm/Postalarm Playback Recorded Data Search Backup Backup Methods Backup File Format HDD Internal storage for system Internal Storage for Recording	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS
Prealarm/Postalarm Playback Recorded Data Search Backup Backup Methods Backup File Format HDD Internal storage for system Internal Storage for Recording Alarms	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 available bays for 3,5" HDD surveillance grade storage media
Prealarm/Postalarm Playback Recorded Data Search Backup Backup Methods Backup File Format HDD Internal storage for system Internal Storage for Recording Alarms Alarm Input/output in cameras	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 available bays for 3,5" HDD surveillance grade storage media support of alarm input and output built in cameras
Prealarm/Postalarm Playback Recorded Data Search Backup Backup Pile Format HDD Internal storage for system Internal Storage for Recording Alarms Alarm Input/output in cameras Motion detection	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 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
Prealarm/Postalarm Playback Recorded Data Search 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	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 Up to: 305 / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 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
Prealarm/Postalarm Playback Recorded Data Search 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	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 available bays for 3,5" HDD surveillance grade storage media support of alarm input and output built in cameras supported built in analytics in camera supported built in analytics in camera support of temperature alarm built in cameras
Prealarm/Postalarm Playback Recorded Data Search Backup Backup Pile 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)	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 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 support of temperature alarm built in cameras support of temperature alarm built in cameras support of temperature alarm built in cameras support of selected image analysis functions available in the camera
Prealarm/Postalarm Playback Recorded Data Search Backup 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	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 available bays for 3,5" HDD surveillance grade storage media support of alarm input and output built in cameras supported built in analytics in camera supported built in analytics in camera support of temperature alarm built in cameras
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Prealarm/Postalarm Playback Recorded Data Search Backup 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	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 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 support of temperature alarm built in cameras support of temperature alarm built in cameras support of temperature alarm built in cameras support of selected image analysis functions available in the camera
Prealarm/Postalarm Playback Recorded Data Search Backup Backup Pile 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	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 Up to: 305 / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 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 support of temperature alarm built in cameras support of temperature alarm built in cameras support of selected image analysis functions available in the camera e-mail, Screen Message, Recording Activation, PTZ
Prealarm/Postalarm Playback Recorded Data Search 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 Network interface	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 Up to: 305 / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 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 support of temperature alarm built in cameras support of selected image analysis functions available in the camera e-mail, Screen Message, Recording Activation, PTZ 2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s up to 350Mbit/s from all cameras,
Prealarm/Postalarm Playback Recorded Data Search Backup Backup Pile 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 Throughput	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 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 selected image analysis functions available in the camera e-mail, Screen Message, Recording Activation, PTZ 2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s up to 350Mbit/s from all cameras, up to 350Mbit/s for mail cameras, up to 350Mbit/s from all cameras, up to 350Mbit/s form all cameras, up to 450Mbit/s for each network card
Prealarm/Postalarm Playback Recorded Data Search Backup Backup Methods Backup File Format HDD Internal storage for system Internal Storage for Recording Alarms Alarms Alarms Lidea Analytics Temperature alarm Licence plate recognition (LPR) System Reactions to Alarm Events Network Network Network Throughput Network Protocols Support Compatible Mobile Applications	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 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 support of motion detection built in cameras support of temperature alarm built in cameras support of selected image analysis functions available in the camera e-mail, Screen Message, Recording Activation, PTZ 2 x Ethernet - RJ4S interface, 10/100/1000 Mbit/s up to 350Mbit/s from all cameras, up to 350Mbit/s from all cameras, up to 350Mbit/s for mail (cameras, up to 350Mbit/s for all client stations, Max network throughput: 350Mbit/s for each network card HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA
Prealarm/Postalarm Playback Recorded Data Search 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 Network Throughput Network Protocols Support Compatible Mobile Applications PTZ	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 Up to: 305 / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 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 support of temperature alarm built in cameras support of temperature alarm built in cameras support of selected image analysis functions available in the camera e-mail, Screen Message, Recording Activation, PTZ 2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s up to 350Mbit/s from all cameras, Max network throughput: 350Mbit/s for each network card HTTP, TCPIP, IPv4/vG, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA NMS Mobile
Prealarm/Postalarm Playback Recorded Data Search Backup 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 Throughput Network Protocols Support Compatible Mobile Applications PTZ PTZ Functions	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 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 support of motion detection built in cameras support of temperature alarm built in cameras support of selected image analysis functions available in the camera e-mail, Screen Message, Recording Activation, PTZ 2 x Ethernet - RJ4S interface, 10/100/1000 Mbit/s up to 350Mbit/s from all cameras, up to 350Mbit/s from all cameras, up to 350Mbit/s for mail (cameras, up to 350Mbit/s for all client stations, Max network throughput: 350Mbit/s for each network card HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA
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Prealarm/Postalarm Playback Recorded Data Search Backup 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 Throughput Network Protocols Support Compatible Mobile Applications PTZ PTZ Functions	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 Up to: 305 / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 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 support of temperature alarm built in cameras support of temperature alarm built in cameras support of selected image analysis functions available in the camera e-mail, Screen Message, Recording Activation, PTZ 2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s up to 350Mbit/s from all cameras, Max network throughput: 350Mbit/s for each network card HTTP, TCPIP, IPv4/vG, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA NMS Mobile
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Prealarm/Postalarm Playback Recorded Data Search 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 Network Protocols Support Compatible Mobile Applications PTZ PTZ Functions Additional interfaces USB Ports	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 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 support of motion detection built in cameras support of temperature alarm built in cameras support of temperature alarm built in cameras support of selected image analysis functions available in the camera e-mail, Screen Message, Recording Activation, PTZ 2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s up to 350Mbit/s form all cameras, up to 350Mbit/s form all cameras, up to 350Mbit/s to all client stations, Max network throughput 350Mbit/s for each network card HTTP, TCPIP, IPV4IV6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA NMS Mobile pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, iris
Prealarm/Postalarm Playback Recorded Data Search Backup Backup Pile 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 Network Throughput Network Protocols Support Compatible Mobile Applications PTZ PTZ Functions Additional interfaces USB Ports Operating System	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 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 support of motion detection built in cameras support of temperature alarm built in cameras support of selected image analysis functions available in the camera e-mail, Screen Message, Recording Activation, PTZ 2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s up to 350Mbit/s form all cameras, up to 350Mbit/s form all cameras, up to 350Mbit/s form all cameras, up to 350Mbit/s for all client stations, Max network throughput: 350Mbit/s for each network card HTTP, TCP/RP, IP-41/v6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA NMS Mobile pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, iris 6 x USB 3.0
Prealarm/Postalarm Playback Recorded Data Search Backup Backup Pile 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 Network Throughput Network Protocols Support Compatible Mobile Applications PTZ PTZ Functions Additional interfaces USB Ports Operating System Recording system Recording and Surveillance System	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 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 support built in analytics in camera support of motion detection built in cameras support of selected image analysis functions available in the camera e-mail, Screen Message, Recording Activation, PTZ 2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s up to 350Mbit/s from all cameras, up to 350Mbit/s from all cameras, up to 350Mbit/s to all client stations, MAx network throughput 350Mbit/s for each network card HTTP, TCP/IP, IP-V4V-G, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA NMS Mobile pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, iris Microsoft Windows 10 lot T NMS (Novus Management System)
Prealarm/Postalarm Playback Recorded Data Search 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 Network Throughput Network Protocols Support Compatible Mobile Applications PTZ PTZ Functions Additional Interfaces USB Ports Operating System Operating System Operating System	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 Up to: 30s / Up to: 600s By Date/Time, Events, "Text-in" USB port (HDD for Flash drive) JPEG, BMP, AVI, NMS 1 x HDD 3.5" SATA 5 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 support of temperature alarm built in cameras support of temperature alarm built in cameras support of selected image analysis functions available in the camera e-mail, Screen Message, Recording Activation, PTZ 2 x Ethernet - Ry45 interface, 10/100/1000 Mbit/s up to 350Mbit/s from all cameras, up to 350Mbit/s to all client stations, Max network throughput: 350Mbit/s for each network card HTTP, TCPIPP, IP-41/-6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA NMS Mobile pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, iris Microsoft Windows 10 IoT

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)	185 (W) x 408 (H) x 475 (D)
Weight	10 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

Attention:
To support more than 1 RTSP stream and 1 ONVIF stream you will need special licence key.
From serial number: XX 2417 4170, devices have Microsoft Windows 10 IoT operating system.
Performance specifications described in the above are valid from serial WA 2519 5776