

## **NMS IP Recorder**

NVSO 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 Pro •Compatible with all NOVUS IP cameras

## DIMENSIONS



177 mm 505 mm

483 mn

| 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<br>Supported Codes   | 4000x3000<br>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 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 Performance - H.264  | Supports audio input/output build in cameras   |
| Performance - H.264  | Presenting on the 120 and a stranger (while displaying 0 and stranger)   |
| 2MPX IP Camera   | Recording up to: 120 main streams (while displaying: 8 sub streams)<br>Display up to: 70 sub streams or 20 main streams (while recording: 70 main streams)<br>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)<br>Display up to: 70 sub streams or 13 main streams (while recording: 70 main streams)<br>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)<br>Display up to: 60 sub streams or 8 main streams (while recording: 60 main streams)<br>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)<br>Display up to: 40 sub streams or 5 main streams (while recording: 40 main streams)<br>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)<br>Display up to: 35 sub streams or 8 main streams (while recording: 35 main streams)<br>Playback up to: 8 main streams (while recording: 35 main streams)  |
| Performance - H.265  | - Agreed of the second (mile recording, 22 main second)  |
| 2MPX IP Camera   | Recording up to: 150 main streams (while displaying: 8 sub streams)<br>Display up to: 55 sub streams or 15 main streams (while recording: 55 main streams)<br>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)<br>Display up to: 50 sub streams or 8 main streams (while recording: 50 main streams)<br>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)<br>Display up to: 60 sub streams or 5 main streams (while recording: 60 main streams)<br>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)<br>Display up to: 65 sub streams or 4 main streams (while recording: 65 main streams)<br>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)<br>Display up to: 32 sub streams or 4 main streams (while recording: 32 main streams)<br>Playback up to: 4 main streams (while recording: 32 main streams)  |
|  |  |
| Recording  |  |
| Recording Recording Mode   | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,  |
| Recording Mode   | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS, temerature alarm   |
| Recording Mode<br>Schedule   | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes  |
| Recording Mode<br>Schedule<br>Prealarm/Postalarm   | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with   |
| Recording Mode<br>Schedule<br>PrealamyPostalarm<br>Playback  | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s   |
| Recording Mode<br>Schedule<br>Prealarm/Postalarm<br><b>Playback</b><br>Recorded Data Search  | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes  |
| Recording Mode<br>Schedule<br>Prealarm/Postalarm<br>Playback<br>Recorded Data Search<br>Backup   | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"   |
| Recording Mode<br>Schedule<br>Prealarm/Postalarm<br>Playback<br>Recorded Data Search<br>Backup<br>Backup Methods   | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD lor Flash drive), Network  |
| Recording Mode<br>Schedule<br>Prealam/Postalarm<br>Playback<br>Recorded Data Search<br>Backup<br>Backup Methods<br>Backup File Format  | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"   |
| Recording Mode<br>Schedule<br>Prealarm/Postalarm<br>Playback<br>Recorded Data Search<br>Backup<br>Backup Methods<br>Backup File Format<br>HDD  | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>Individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD lor Flash drive), Network<br>JPEG, BMP, AVI, NMS   |
| Recording Mode<br>Schedule<br>Prealarm/Postalarm<br>Playback<br>Recorded Data Search<br>Backup<br>Backup Methods<br>Backup File Format<br>HDD<br>Internal storage for system   | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD lor Filash drive), Network<br>JPEG, BMP, AVI, NMS<br>1 x HDD 3.5" SATA   |
| Recording Mode<br>Schedule<br>Prealarm/Postalarm<br>Pleyback<br>Recorded Data Search<br>Backup Methods<br>Backup File Format<br>HDD<br>Internal storage for system<br>Internal Storage for system  | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>Individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD lor Flash drive), Network<br>JPEG, BMP, AVI, NMS   |
| Recording Mode<br>Schedule<br>Prealarm/Postalarm<br>Piayback<br>Recorded Data Search<br>Backup<br>Backup Methods<br>Backup File Format<br>HDD<br>Internal storage for system<br>Internal storage for system  | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD Ior Flash drive), Network<br>JPEG, BMP, AVI, NMS<br>1 x HDD 3.5" SATA<br>5 available bays for 3,5" HDD surveillance grade storage media  |
| Recording Mode<br>Schedule<br>Prealarm/Postalarm<br>Playback<br>Recorded Data Search<br>Backup<br>Backup Methods<br>Backup File Format<br>HDD<br>Internal storage for system<br>Internal Storage for Recording   | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD Ior Flash drive), Network<br>JPEG, BMP, AVI, NMS<br>1 x HDD 3.5" SATA  |
| Recording Mode<br>Schedule<br>Prealarm/Postalarm<br>Playback<br>Recorded Data Search<br>Backup Methods<br>Backup File Format<br>HDD<br>Internal storage for system<br>Internal storage for system<br>Internal storage for Recording<br>Alarms  | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>Individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD Ior Flash drive), Network<br>JPEG, BMP, AVI, NMS<br>I x HDD 3.5" SATA<br>5 available bays for 3,5" HDD surveillance grade storage media<br>support of alarm input and output built in cameras  |
| Recording Mode Schedule Prealarm/Postalarm Playback Recorded Data Search Backup Backup Methods Backup File Format HDD Internal storage for system Internal Storage for Recording Alarm Input/output in cameras Motion detection  | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm.<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 13 min, possibility of combining individual recording modes<br>up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD Ior Flash drive), Network<br>JPEG, BMP, AVI, NMS<br>1 x HDD 3.5" SATA<br>5 available bays for 3.5" HDD surveillance grade storage media<br>support of alarm input and output built in cameras<br>support of motion detection built in cameras   |
| Recording Mode Schedule Prealarm/Postalarm Playback Recorded Data Search Backup Backup Methods Backup File Format HDD Internal storage for system Internal Storage for Recording Alarm Input/Joutput in cameras Motion detection Video Analytics Temperature alarm Licence pile recognition (LPR)  | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD lor Flash drive), Network:<br>jPEG, BMP, AVI, NMS<br>interference of the strategy of the   |
| Recording Mode Schedule Prealarm/Postalarm Playback Recorded Data Search Backup Backup Methods Backup Methods Backup File Format HDD Internal storage for system Internal Storage for Recording Alarm Input/output in cameras Motion detection Video Analytics Temperature alarm Licence plate recognition (LPR) System Reactions to Alarm Events  | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD Ior Flash drive), Network<br>JPEC, BMP, AVI, NMS<br>1<br>x HDD 3.5" SATA<br>5 available bays for 3.5" HDD surveillance grade storage media<br>support of alarm input and output built in cameras<br>support of mation detection built in cameras<br>support of motion detection built in cameras<br>support of temperature alarm built in cameras  |
| Recording Mode         Schedule         Prealarm/Postalarm         Playback         Recorded Data Search         Backup         Backup Methods         Backup Pile Format         HDD         Internal storage for system         Internal storage for system         Internal storage for Recording         Alarm Input/output in cameras         Motion detection         Video Analytics         Temperature alarm         Licence plate recognition (LPR)         System Reactions to Alarm Events         Network   | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD lor Flash drive), Network<br>JPEG, BMP, AV, NMS<br>1 x HDD 3.5° SATA<br>5 available bays for 3.5° HDD surveillance grade storage media<br>support of alarm input and output built in cameras<br>support of motion detection built in cameras<br>support of motion detection built in cameras<br>support of temperature alarm built in cameras<br>support of selected image analysis functions available in the camera<br>e-mail, Screen Message, Recording Activation, PTZ   |
| Recording Mode Schedule Prealarm/Postalarm Playback Recorded Data Search Backup Methods Backup Methods Backup Pile Format HDD Internal storage for system Internal Storage for Recording Alarm Input/output in cameras Motion detection Video Analytics Temperature alarm Litence pile re cognition (LPR) System Reactions to Alarm Events   | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>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), Network 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 - R)45 interface, 10/100/1000 Mbit/s   |
| Recording Mode         Schedule         Prealarm/Postalarm         Playback         Recorded Data Search         Backup         Backup Methods         Backup File Format         HDD         Internal Storage for system         Internal Storage for Recording         Alarm Input/output in cameras         Motion detection         Viele Analytics         Temperature alarm         Licence plate recognition (LPR)         System Reactions to Alarm Events         Network         Network Throughput  | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD lor Flash drive), Network<br>JPEG, BMP, AVI, NMS<br>I<br>1 x HDD 3.5" SATA<br>5 available bays for 3.5" HDD surveillance grade storage media<br>support of alarm input and output built in cameras<br>support of alarm input and output built in cameras<br>support of motion detection built in cameras<br>support of selected image analysis functions available in the camera<br>e-mail, Screen Message, Recording Activation, PTZ<br>2 x Ethermet - Ry45 interface, 10/100/1000 Mbit/s<br>up to 350Mbit/s form all cameras,<br>up to 450Mbit/s form all camera |
| Recording Mode Schedule Prealarm/Postalarm Playback Recorded Data Search Backup Backup Methods Backup Methods Backup Neinods Backup Neinods Backup Neinods Backup Stier Search Backup Methods Backup Stier Search Internal Storage for system Internal Storage for system Internal Storage for Recording Alarm Input/output in cameras Motion detection Video Analytics Temperature alarm Licence plate recognition (LPR) System Reactions to Alarm Events Network Network Network Network Network Network Protocols Support   | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD Ior Flash drive), Network<br>JPEG, BMP, AVI, NMS<br>1 x HDD 3.5" SATA<br>5 available bays for 3.5" HDD surveillance grade storage media<br>support of alarm input and output built in cameras<br>support of alarm input and output built in cameras<br>support of motion detection built in cameras<br>support of temperature alarm built in cameras<br>support of temperature alarm built in cameras<br>support of selected image analysis functions available in the camera<br>e-mail, Screen Message, Recording Activation, PTZ<br>2 x Ethermet - RJ45 interface, 10/100/1000 Mbit/s<br>Up to 350Mbit/s foral il cameras,<br>Up to 350    |
| Recording Mode         Schedule         Prealarm/Postalarm         Playback         Recorded Data Search         Backup         Backup Methods         Backup Methods         Backup Neithods         Internal storage for system         Internal storage for Recording         Alarm Input/output in cameras         Motion detection         Video Analytics         Temperature alarm         Licence plate recognition (LPR)         System Reactions to Alarm Events         Network         Network Throughput         Network Throughput         Network Protocols Support         Compatible Mobile Applications  | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD lor Flash drive), Network<br>JPEG, BMP, AVI, NMS<br>I<br>1 x HDD 3.5" SATA<br>5 available bays for 3.5" HDD surveillance grade storage media<br>support of alarm input and output built in cameras<br>support of alarm input and output built in cameras<br>support of motion detection built in cameras<br>support of selected image analysis functions available in the camera<br>e-mail, Screen Message, Recording Activation, PTZ<br>2 x Ethermet - Ry45 interface, 10/100/1000 Mbit/s<br>up to 350Mbit/s form all cameras,<br>up to 450Mbit/s form all camera |
| Recording Mode         Schedule         Prealarm/Postalarm         Playback         Recorded Data Search         Backup         Backup Methods         Backup File Format         HDD         Internal Storage for system         Internal Storage for Recording         Alarm Input/output in cameras         Motion detection         Video Analytics         Temperature alarm         Licence plate recognition (LPR)         System Reactions to Alarm Events         Network Interface         Network Throughput         Network Throughput         Network Throughput         Network Dotociols Support         Compatible Mobile Applications         PT2   | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB part (HDD for Flash drive), Network<br>JPEG, BMP, AVI, NMS<br>1 x HDD 3.5° SATA<br>5 available bays for 3,5° HDD surveillance grade storage media<br>support of alarm input and output built in cameras<br>support of motion detection built in cameras<br>support of motion detection built in cameras<br>support of motion detection built in cameras<br>support of selected image analysis functions available in the camera<br>e-mail, Screen Message, Recording Activation, PTZ<br>2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s<br>up to 350Mbit/s form all cameras,<br>Max network throughput; 350Mbit/s for each network card<br>HTTP, TCP/PI, IP4/w6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA<br>NMS Mobile  |
| Recording Mode         Schedule         Prealarm/Postalarm         Playback         Recorded Data Search         Backup         Backup Methods         Backup File Format         HDD         Internal Storage for system         Internal Storage for Recording         Alarm S         Alot on detection         Video Analytics         Temperature alarm         Licence plate recognition (LPR)         System Reactions to Alarm Events         Network Interface         Network Throughput   | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD Ior Flash drive), Network<br>JPEG, BMP, AVI, NMS<br>1 x HDD 3.5" SATA<br>5 available bays for 3.5" HDD surveillance grade storage media<br>support of alarm input and output built in cameras<br>support of alarm input and output built in cameras<br>support of motion detection built in cameras<br>support of detected image analysis functions available in the camera<br>e-mail, Screen Message, Recording Activation, PTZ<br>2 x Ethermet - RJ45 interface, 10/100/1000 Mbit/s<br>up to 350Mbit/s foral il cameras,<br>up to 350Mbit/s foral al cameras,<br>up to 350Mbit/s foral H cameras,<br>up to 350Mbit/s foral |
| Recording Mode         Schedule         Prealarm/Postalarm         Playback         Recorded Data Search         Backup         Backup Methods         Backup Nethods         Backup Nethods         Backup File Format         HDD         Internal Storage for system         Internal Storage for Recording         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         PT2         PT2         PT2         Additional interfaces   | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD Ior Flash drive), Network<br>JPEG, BMP, AVI, NMS<br>1 x HDD 3.5" SATA<br>5 available bays for 3.5" HDD surveillance grade storage media<br>support of alarm input and output built in cameras<br>support of alarm input and output built in cameras<br>support of temperature alarm built in cameras<br>support of settected image analysis functions available in the camera<br>e-mail, Screen Message, Recording Activation, PTZ<br>2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s<br>up to 350Mbit/s form all cameras,<br>up to 350Mbit/s form all cameras,<br>up to 350Mbit/s form all cameras,<br>market of throughput: 350Mbit/s for ether hetwork card<br>HTTP, TCPIP, IPv4/v6, UDP, HTTPs, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA<br>NMS Mobile  |
| Recording Mode         Schedule         Prealarm/Postalarm         Playback         Recorded Data Search         Backup         Backup Methods         Backup Methods         Backup Methods         Backup Methods         Backup File Format         HDD         Internal Storage for system         Internal Storage for Recording         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 <td>Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br/>temerature alarm<br/>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br/>an accuracy of: 15 min, possibility of combining individual recording modes<br/>Up to: 30s / Up to: 600s<br/>By Date/Time, Events, "Text-in"<br/>USB part (HDD for Flash drive), Network<br/>JPEG, BMP, AVI, NMS<br/>1 x HDD 3.5° SATA<br/>5 available bays for 3,5° HDD surveillance grade storage media<br/>support of alarm input and output built in cameras<br/>support of motion detection built in cameras<br/>support of motion detection built in cameras<br/>support of motion detection built in cameras<br/>support of selected image analysis functions available in the camera<br/>e-mail, Screen Message, Recording Activation, PTZ<br/>2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s<br/>up to 350Mbit/s form all cameras,<br/>Max network throughput; 350Mbit/s for each network card<br/>HTTP, TCP/PI, IP4/w6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA<br/>NMS Mobile</td> | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB part (HDD for Flash drive), Network<br>JPEG, BMP, AVI, NMS<br>1 x HDD 3.5° SATA<br>5 available bays for 3,5° HDD surveillance grade storage media<br>support of alarm input and output built in cameras<br>support of motion detection built in cameras<br>support of motion detection built in cameras<br>support of motion detection built in cameras<br>support of selected image analysis functions available in the camera<br>e-mail, Screen Message, Recording Activation, PTZ<br>2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s<br>up to 350Mbit/s form all cameras,<br>Max network throughput; 350Mbit/s for each network card<br>HTTP, TCP/PI, IP4/w6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA<br>NMS Mobile  |
| Recording Mode         Schedule         Prealarm/Postalarm         Playback         Recorded Data Search         Backup         Backup Methods         Backup Methods         Backup File Format         HDD         Internal storage for system         Internal Storage for Recording         Alarm Input/output in cameras         Motion detection         Video Analytics         Temperature alarm         Licence plate recognition (LPA)         System Reactions to Alarm Events         Network         Network Interface         Network Protocols Support         Compatible Mobile Applications         PTZ         PTZ         Vids Ports         Usis Ports   | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD Ior Flash drive), Network<br>JPEG, BMP, AVI, NMS<br>1 x HDD 3.5° SATA<br>5 available bays for 3.5° HDD surveillance grade storage media<br>support of alarm input and output built in cameras<br>support of alarm input and output built in cameras<br>support of alarm input and output built in cameras<br>support of baitected image analysis functions available in the camera<br>e-mail, Screen Message, Recording Activation, PTZ<br>2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s<br>up to 350Mbit/s foro all cameras,<br>up to 350Mbit/s foro all c    |
| Recording Mode         Schedule         Prealarm/Postalarm         Playback         Recorded Data Search         Backup         Backup Methods         Backup File Format         HDD         Internal storage for system         Internal storage for system         Internal storage for Recording         Alarms         Alarms         Video Analytics         Temperature alarm         Licence plate recognition (LPR)         System Reactions to Alarm Events         Network         Network Throughput         Network Throughput         Network Throughput         System Reactions         PTZ         PTZ         VISB Ports         Operating System  | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>Individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD Ior Flash drive), Network<br>JPEG, BMP, AVI, NMS<br>I<br>1 x HDD 3.5" SATA<br>5 available bays for 3.5" HDD surveillance grade storage media<br>support of alarm input and output built in cameras<br>support of motion detection built in cameras<br>support of temperature alarm built no cameras<br>support of selected image analysis functions available in the camera<br>e-mail. Screen Message, Recording Activation, PTZ<br>2 x Ethermet - RJ45 interface, 10/100/1000 Mbit/S<br>Up to 350Mbit/S toral cameras,<br>Up to 350Mbit/S toral cameras,<br>Max network throughput: 350Mbit/S for each network card<br>HTTP, TCPIP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, MTP, RTSP, SAMBA<br>NMS Mobile<br>pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, Iris<br>Microsoft Windows 10 Pro   |
| Recording Mode         Schedule         Prealarm/Postalarm         Playback         Recorded Data Search         Backup         Backup Methods         Backup Methods         Backup File Format         HDD         Internal storage for system         Internal Storage for Recording         Alarm Input/output in cameras         Motion detection         Video Analytics         Temperature alarm         Lecnce plate recognition (LPN)         System Reactions to Alarm Events         Network         Network Throughput         Network Throughput         Network Protocols Support         Compatible Mobile Applications         PTZ         PTZ         VISB Ports         USB Ports   | Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,<br>temerature alarm<br>individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with<br>an accuracy of: 15 min, possibility of combining individual recording modes<br>Up to: 30s / Up to: 600s<br>By Date/Time, Events, "Text-in"<br>USB port (HDD Ior Flash drive), Network<br>JPEG, BMP, AVI, NMS<br>1 x HDD 3.5° SATA<br>5 available bays for 3.5° HDD surveillance grade storage media<br>support of alarm input and output built in cameras<br>support of alarm input and output built in cameras<br>support of alarm input and output built in cameras<br>support of baitected image analysis functions available in the camera<br>e-mail, Screen Message, Recording Activation, PTZ<br>2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s<br>up to 350Mbit/s foro all cameras,<br>up to 350Mbit/s foro all c    |



| 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<br>Systems (Posnet, Upos and other), ONVIF Devices, RTSP Devices |
| Installation Parameters     |   |
| Dimensions (mm)             | 185 (W) × 408 (H) × 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:                  |   |

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 Pro operating system. Performance specifications described in the above are valid from serial WA 2519 5776