NoVus

NOVUS MANAGEMENT SYSTEM VSS IP Recorder

NMS VSS NVR 3-4U-IV



KEY FEATURES













- •Video and audio channels: 170
- \bullet Recording speed up to 4250 fps at 1920 x 1080
- \bullet Supports resolution up to 4000 x 3000
- •Recorded stream size: 500 Mb/s in total from all cameras
- •Supports up to 3 monitors simultaneously
- \bullet optional disk mounting: 4 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







500 mm

Unit with the NOVUS MANAGEMENT SYSTEM VSS software installed adapted to 24/7 operation.

VIDEO

| VIDEO | |
|--|--|
| IP Camera Recording | 140 channels at 1920x1080 (video+audio) using H.264 codec • 170 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 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: 140 main streams (while displaying: 8 sub streams) • Display up to: 48 sub streams or 17 main streams (while recording: 48 main streams) • Playback up to: 17 main streams (while recording: 48 main streams) |
| 4MPX IP Camera | Recording up to: 90 main streams (while displaying: 8 sub streams) • Display up to: 40 sub streams or 9 main streams (while recording: 40 main streams) • Playback up to: 9 main streams (while recording: 40 main streams) |
| 5MPX IP Camera | Recording up to: 80 main streams (while displaying: 8 sub streams) • Display up to: 40 sub streams or 6 main streams (while recording: 40 main streams) • Playback up to: 6 main streams (while recording: 40 main streams) |
| 8MPX IP Camera | Recording up to: 60 main streams (while displaying: 8 sub streams) • Display up to: 34 sub streams or 4 main streams (while recording: 34 main streams) • Playback up to: 4 main streams (while recording: 34 main streams) |
| 12MPX IP Camera | Recording up to: 48 main streams (while displaying: 8 sub streams) • Display up to: 28 sub streams or 2 main streams (while recording: 28 main streams) • Playback up to: 2 main streams (while recording: 28 main streams) |
| PERFORMANCE - H.265 | |



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| 2MPX IP Camera | Recording up to: 170 main streams (while displaying: 8 sub streams) • Display up to: 40 sub streams or 14 main streams (while recording: 40 main streams) • Playback up to: 14 main streams (while recording: 40 main streams) |
|---|---|
| 4MPX IP Camera | Recording up to: 128 main streams (while displaying: 8 sub streams) • Display up to: 40 sub streams or 6 main streams (while recording: 40 main streams) • Playback up to: 6 main streams (while recording: 40 main streams) |
| 5MPX IP Camera | Recording up to: 100 main streams (while displaying: 8 sub streams) • Display up to: 34 sub streams or 5 main streams (while recording: 34 main streams) • Playback up to: 5 main streams (while recording: 34 main streams) |
| 8MPX IP Camera | Recording up to: 80 main streams (while displaying: 8 sub streams) • Display up to: 32 sub streams or 3 main streams (while recording: 32 main streams) • Playback up to: 3 main streams (while recording: 32 main streams) |
| 12MPX IP Camera | Recording up to: 65 main streams (while displaying: 8 sub streams) • Display up to: 28 sub streams or 2 main streams (while recording: 28 main streams) • Playback up to: 2 main streams (while recording: 28 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 | D. Dalastina, E. anda W.T. Link |
| Necolded Data Sealch | By Date/Time, Events, "Text-in" |
| BACKUP | 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 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 | 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 4 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 4 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 4 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 4 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 4 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 4 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 4 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 4 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, 10/100/1000/2500 Mbit/s - maximum |
| 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 4 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, 10/100/1000/2500 Mbit/s - maximum bandwidth 500 Mbit/s up to 500Mbit/s from all cameras • up to 500Mbit/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 | 5 x USB 3.2, 2 x USB 2.0, 1 x USB 3.2 Type-C |
| OPERATING SYSTEM | |
| Operating System | Microsoft Windows 10 IoT |
| Recording and Surveillance System | NOVUS MANAGEMENT SYSTEM VSS |
| Additional Software | Internet Explorer |
| Operation Mode | Pentaplex |
| OSD | Polish, English, others |
| Control | PC mouse and keyboard (in-set included), NV-KBD/ACVSS 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) | 427 (W) x 177 (H) x 500 (D) |
| Weight | 20 kg (without HDDs for recording) |
| Power Supply | built in 700W, with 230VAC input |
| 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. Data presented in table above for substreams are given for 640x480 resolution.



