NoVus

NOVUS MANAGEMENT SYSTEM VSS IP Recorder

NMS VSS NVR X-2U-III-264TB





KEY FEATURES



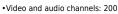










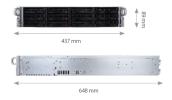


- •Supports resolution up to 4000 x 3000
- Recorded stream size: 450 Mb/s in total from all
- •Supports up to 3 monitors simultaneously
- \bullet Built-in HDDs: 12 x 22 TB server-dedicated SAS for 24/7 recording
- •RAID controller protects recordings
- •External arrays support
- •Operating system: Microsoft Windows 10 IoT •Recording and surveillance system: NOVUS MANAGEMENT SYSTEM VSS
- •Compatible with all NOVUS IP cameras
- •Redundant PSUs: 2

COMPLIANCE



DIMENSIONS



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

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 | 3 x Mini Display Port 1.2, (up to 3 monitors simultaneously) |
| Maximum Resolution | 3 x 4K UltraHD |
| AUDIO | |
| Audio Output | 3 x Mini Display Port 1.2 |
| PERFORMANCE - H.264 | |
| 2MPX IP Camera | Recording up to: 160 main streams (while displaying: 8 sub streams) • Display up to: 8 sub streams or 8 main streams (while recording: 160 main streams) • Playback up to: 8 main streams (while recording: 160 main streams) |
| 4MPX IP Camera | Recording up to: 120 main streams (while displaying: 8 sub streams) • Display up to: 8 sub streams or 8 main streams (while recording: 120 main streams) • Playback up to: 8 main streams (while recording: 120 main streams) |
| 5MPX IP Camera | Recording up to: 100 main streams (while displaying: 8 sub streams) • Display up to: 8 sub streams or 8 main streams (while recording: 100 main streams) • Playback up to: 8 main streams (while recording: 8 main streams) |
| 8MPX IP Camera | Recording up to: 80 main streams (while displaying: 8 sub streams) • Display up to: 8 sub streams or 6 main streams (while recording: 80 main streams) • Playback up to: 6 main streams (while recording: 80 main streams) |
| 12MPX IP Camera | Recording up to: 80 main streams (while displaying: 8 sub streams) • Display up to: 8 sub streams or 4 main streams (while recording: 80 main streams) • Playback up to: 4 main streams (while recording: 80 main streams) |
| PERFORMANCE - H.265 | |
| 2MPX IP Camera | Recording up to: 200 main streams (while displaying: 8 sub streams) • Display up to: 8 sub streams or 8 main streams (while recording: 200 main streams) • Playback up to: 8 main streams (while recording: 200 main streams) |



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| 4MPX IP Camera | Recording up to: 160 main streams (while displaying: 8 sub streams) • Display up to: 8 sub streams or 8 main streams (while recording: 160 main streams) • Playback up to: 8 main streams (while recording: 160 main streams) |
|---------------------------------|---|
| 5MPX IP Camera | Recording up to: 120 main streams (while displaying: 8 sub streams) • Display up to: 8 sub streams or 4 main streams (while recording: 120 main streams) • Playback up to: 4 main streams (while recording: 120 main streams) |
| 8MPX IP Camera | Recording up to: 90 main streams (while displaying: 8 sub streams) • Display up to: 8 sub streams or 4 main streams (while recording: 90 main streams) • Playback up to: 4 main streams (while recording: 90 main streams) |
| 12MPX IP Camera | Recording up to: 90 main streams (while displaying: 8 sub streams) • Display up to: 8 sub streams or 4 main streams (while recording: 90 main streams) • Playback up to: 4 main streams (while recording: 90 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 | 12 x 22TB SAS 3,5" surveillance grade server storage media in Hot- Swap bays |
| 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, Multicast, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA |
| Compatible Mobile Applications | NMS Mobile |
| PTZ | |
| | |







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| ADDITIONAL INTERFACES | |
|-----------------------------------|---|
| USB Ports | 4 x USB 2.0, 4 x USB 3.2, 1 x USB 3.2 Type-C, 2 x USB 2.0 |
| OPERATING SYSTEM | |
| Operating System | Microsoft Windows 10 IoT |
| Recording and Surveillance System | NOVUS MANAGEMENT SYSTEM VSS |
| Operation Mode | Pentaplex |
| OSD | Polish, English, Russian, others |

pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus,

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

Control

PTZ Functions

Integrated Devices

Novus IP Cameras, Novus IP Recorders, Novus AHD Recorders, POS
Systems (Posnet, Upos and other), ONVIF Devices, RTSP Devices

INSTALLATION PARAMETERS

| 437 (W) x 89 (H) x 648 (D) |
|---|
| 24 kg (with HDDs) |
| built in 2 x redundant power supply 230VAC input with 960W power each |
| 490W/400W (without HDD for recording) |
| 5°C ~ 35°C |
| 2U |
| |

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.



