NoVus

NOVUS MANAGEMENT SYSTEM VSS IP Recorder

NMS VSS NVR X-2U-III-216TB





KEY FEATURES



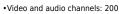












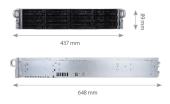
- •Supports resolution up to 4000 x 3000
- Recorded stream size: 450 Mb/s in total from all
- •Supports up to 3 monitors simultaneously

- •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 18TB 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 Interface Network Throughput	2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s up to 450Mbit/s from all cameras • up to 450Mbit/s to all client stations • Max network throughput: 450Mbit/s for each network card
	up to 450Mbit/s from all cameras • up to 450Mbit/s to all client
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 HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, Multicast, FTP, DHCP, DNS, DDNS,







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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

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

Polish, English, Russian, others

INTEGRATION

OSD

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.



