NOVUS

NOVUS MANAGEMENT SYSTEM VSS IP Recorder

NMS VSS NVR 3-4U-IV



FUNCTIONS













KEY FEATURES

- •Video and audio channels: 170 •Recording speed up to 4250 fps at 1920 x 1080
- Supports resolution up to 4000 x 3000
- Recorded stream size: 500 Mb/s in total from all cameras

- Supports up to 3 monitors simultaneously
 optional disk mounting: 4 x SATA 3,5"
 Operating system: Microsoft Windows 10 IoT
 Recording and surveillance system: NOVUS
- •Compatible with all NOVUS IP cameras

DIMENSIONS



427 mm



500 mm

Alarm Input/output in cameras

Licence plate recognition (LPR)

System Reactions to Alarm Events

Motion detection

Video Analytics

Temperature alarm

Network Interface

PTZ PTZ Functions

Network Protocols Support Compatible Mobile Applications

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

1		·
	Video	
)		140 channels at 1920x1080 (video+audio) using H.264 codec
	IP Camera Recording	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 Novus, Novus fisheye, ONVIF, ONVIF fisheye, RTSP, RTSP fisheye
	Supported Cameras and Protocols	(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 Audio Input/Output in Cameras	1 x Line (3,5mm), 1 x HDMI, 1 x Display Port Supports audio input/output build in cameras
	Performance - H.264	Supports audio input/output build in cameras
	renormance - n.204	December on the 140 and a short of fulfille distribution () and absence
	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)
	SMPX 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)
Т	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	
	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)
177	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	By Date/Time, Events, "Text-in"
	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	4 available bays for 3,5" HDD surveillance grade storage media
	Alarms	

support of alarm input and output built in cameras

support of motion detection built in cameras

support of temperature alarm built in cameras

e-mail, Screen Message, Recording Activation, PTZ

support of selected image analysis functions available in the camera

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

1 x Ethernet - RJ45 interface, 10/100/1000/2500 Mbit/s - maximum bandwidth 500 Mbit/s

HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DNS, NTP, RTSP, SNMP, QoS, IEEE 802.1X, SMTP, SAMBA, HTML5

supported built in analytics in camera

up to 500Mbit/s from all cameras, up to 500Mbit/s to all client stations, Max total network throughput: 500Mbit/s

NMS Mobile

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.