## **NOVUS**

### **NVSO IP Recorder**

### **NVSO 3-4U-III**



#### **KEY FEATURES**















- •Video and audio channels: 140
- •Recording speed up to 3500 fps at 1920 x 1080
- •Supports resolution up to 4000 x 3000
- •Recorded stream size: 350 Mb/s in total from all cameras
- •Supports up to 3 monitors simultaneously
- •optional disk mounting: 6 x SATA 3,5"
- •Operating system: Microsoft Windows 10 Pro
- •Compatible with all NOVUS IP cameras

#### **DIMENSIONS**



#### **VIDEO**

IP Camera Recording	100 channels at 1920x1080 (video+audio) using H.264 codec • 140 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	
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: 100 main streams (while displaying: 8 sub streams) • Display up to: 42 sub streams or 13 main streams (while recording: 42 main streams) • Playback up to: 13 main streams (while recording: 42 main streams)	
4MPX IP Camera	Recording up to: 65 main streams (while displaying: 8 sub streams) • Display up to: 40 sub streams or 7 main streams (while recording: 40 main streams) • Playback up to: 7 main streams (while recording: 40 main streams)	
5MPX IP Camera	Recording up to: 60 main streams (while displaying: 8 sub streams) • Display up to: 35 sub streams or 5 main streams (while recording: 35 main streams) • Playback up to: 5 main streams (while recording: 35 main streams)	
8MPX IP Camera	Recording up to: 36 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: 32 main streams (while displaying: 8 sub streams) • Display up to: 26 sub streams or 3 main streams (while recording: 26 main streams) • Playback up to: 3 main streams (while recording: 26 main streams)	
PERFORMANCE - H.265		
2MPX IP Camera	Recording up to: 140 main streams (while displaying: 8 sub streams) • Display up to: 30 sub streams or 6 main streams (while recording: 30 main streams) • Playback up to: 6 main streams (while recording: 30 main streams)	



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4MPX IP Camera	Recording up to: 90 main streams (while displaying: 8 sub streams) • Display up to: 30 sub streams or 3 main streams (while recording: 30 main streams) • Playback up to: 3 main streams (while recording: 30 main streams)	
5MPX IP Camera	Recording up to: 70 main streams (while displaying: 8 sub streams) • Display up to: 30 sub streams or 3 main streams (while recording: 30 main streams) • Playback up to: 3 main streams (while recording: 30 main streams)	
8MPX IP Camera	Recording up to: 60 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)	
12MPX IP Camera	Recording up to: 48 main streams (while displaying: 8 sub streams) • Display up to: 20 sub streams or 2 main streams (while recording: 20 main streams) • Playback up to: 2 main streams (while recording: 20 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	6 available bays for 3,5" HDD surveillance grade storage media	
	o available bays for 3,3. Tibb surveillance grade storage friedla	
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	
System Reactions to Alarm Events	e-mail, Screen Message, Recording Activation, PTZ	
NETWORK		
Network Interface	1 x Ethernet - RJ45 interface, 10/100/1000/2500 Mbit/s	
Network Throughput	up to 350Mbit/s from all cameras • up to 350Mbit/s to all client stations • Max network throughput: 350Mbit/s for each network card	
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA	
Compatible Mobile Applications	NMS Mobile	
PTZ		
PTZ Functions	pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, iris	







# NVSO IP Recorder NVSO 3-4U-III

	LINTER	

ADDITIONAL INTENTACES		
USB Ports	4 x USB 3.2	
OPERATING SYSTEM		
Operating System	Microsoft Windows 10 Pro	
Recording and Surveillance System	NMS (Novus Management System)	
Additional Software	Internet Explorer	
Operation Mode	Pentaplex	
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 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 • with Hot-Swap function (allowing to replace the power supply without turning off the unit)	
Power consumption/heatprint	250W/200W (without HDD for recording)	

Attention:

Operating Temperature

RACK Mount 19"

To support more than 1 RTSP stream and 1 ONVIF stream you will need special licence key.

5°C ~ 35°C

4U



