

# NMS IP Recorder NMS NVR X-2U-III-72TB



### PRO SERIES

#### **KEY FEATURES**



RACK Mount 19"

2U

•Video and audio channels: 200

•Supports resolution up to 4000 x 3000

•Recorded stream size: 450 Mb/s in total from all cameras

•Supports up to 3 monitors simultaneously •Built-in HDDs: 12 x 6 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: NMS (Novus
Management System)

•Compatible with all NOVUS IP cameras

Redundant PSUs: 2

### DIMENSIONS



VIDEO **IP** Camera Recording 160 channels at 1920x1080 (video+audio) using H.264 codec • 200 channels at 1920x1080 (video+audio) using H.265 codec 4000x3000 Maximum Supported Camera Resolution 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 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
ВАСКИР	
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 6TB SAS 3,5" surviliance grade server storage media
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	
PTZ Functions	pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, iris





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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	NMS (Novus Management System)	
Additional Software	NMS, 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**

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

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

