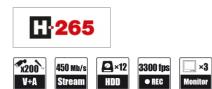


# NMS IP Recorder NMS NVR X-2U-III-72TB



### 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)<br>• Display up to: 8 sub streams or 8 main streams (while recording:<br>160 main streams) • Playback up to: 8 main streams (while<br>recording: 160 main streams) |
|---------------------------------|--|
| 5MPX IP Camera                  | Recording up to: 120 main streams (while displaying: 8 sub streams)<br>• Display up to: 8 sub streams or 4 main streams (while recording:<br>120 main streams) • Playback up to: 4 main streams (while<br>recording: 120 main streams) |
| 8MPX IP Camera                  | Recording up to: 90 main streams (while displaying: 8 sub streams) •<br>Display up to: 8 sub streams or 4 main streams (while recording: 90<br>main streams) • Playback up to: 4 main streams (while recording: 90<br>main streams)    |
| 12MPX IP Camera                 | Recording up to: 90 main streams (while displaying: 8 sub streams) •<br>Display up to: 8 sub streams or 4 main streams (while recording: 90<br>main streams) • Playback up to: 4 main streams (while recording: 90<br>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<br>days (holidays etc.), configuration with an accuracy of: 15 min,<br>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,<br>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.

