NOVUS

NMS IP Recorder

NMS NVR X-2U-III-96TB



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 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)

PC mouse and keyboard (in-set included), DCZ keyboard

PRO SERIES

FUNCTIONS



△×12





8MPX IP Camera

12MPX IP Camera









- •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 8 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 |
| 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 | 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) |
| SMPX 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) |
| 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) |
| SMPX 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) |
| | Describer on the CO and a through (while displaying Coult street) |

Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS, temerature alarm Recording Mode 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 Schedule Prealarm/Postalarm Up to: 30s / Up to: 600s Playback Recorded Data Search By Date/Time, Events, "Text-in", Image Analysis Events 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 8TB SAS 3,5" surveillance grade server storage media RAID Redundancy RAID types: RAID 0, RAID 1, RAID 5, RAID 6 Alarms Alarm Input/output in came support of alarm input and output built in camera support of motion detection built in cameras

Motion detection 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 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 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) NMS, Internet Explorer Operation Mode Pentaplex Polish, English, Russian, others OSD

www.novuscctv.com

| 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) | 437 (W) x 89 (H) x 648 (D) |
| Weight | 24 kg (with HDDs) |
| Power Supply | built in $2 \times$ redundant power supply 230VAC input with 960W power each with Hot-Swap function (allowing to replace the power supply without turning off the unit) |
| Power consumption/heatprint | 490W/400W (without HDD for recording) |
| Operating Temperature | 5°C ~ 35°C |
| RACK Mount 19" | 20 |

 ${\it Attention: To support more than 1 RTSP stream and 1 ONVIF stream you will need special licence key.}$