



# NMS IP Recorder

## NMS NVR X-2U-III



### PRO SERIES

#### FUNCTIONS

**H.265****x200  
V+A****450 Mb/s  
Stream****12  
HDD****3300 fps  
REC****3  
Monitor**

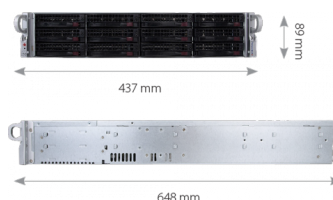
#### COMPATIBILITY



#### KEY FEATURES

- Supports resolution up to 4000 x 3000
- Recorded stream size: 450 Mb/s in total from all cameras
- optional disk mounting: 12 x SATA 3,5"
- External arrays support
- Operating system: Microsoft Windows Embedded 8
- Recording and surveillance system: NMS (Novus Management System)

#### DIMENSIONS



RACK Mount 19"	2U
<b>Video</b>	
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
Dualstreaming Support	yes
<b>Display</b>	
Monitor Output	3 x Mini Display Port 1.2
Maximum Resolution	3 x 4K UltraHD
<b>Performance - H.264</b>	
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)
<b>Performance - H.265</b>	
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)
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)
<b>Recording</b>	
Recording Mode	Continuous, Schedule, Panic, Triggered: manually, by alarm input, motion detection, video analysis, POS, temperature 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
<b>Playback</b>	
Recorded Data Search	By Date/Time, Events
<b>Backup</b>	
Backup Methods	USB port (HDD for Flash drive), Network
Backup File Format	JPEG, BMP, AVI, NMS
<b>HDD</b>	
Internal storage for system	1 x SSD NVMe
RAID Redundancy	RAID types: RAID 0
<b>Alarms</b>	
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
<b>Network</b>	
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
Compatible Mobile Applications	NMS Mobile
<b>PTZ</b>	
PTZ Functions	pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, iris
<b>Additional interfaces</b>	
USB Ports	4 x USB 2.0, 4 x USB 3.2, 1 x USB 3.2 Type-C 2 x USB 2.0,
<b>Operating System</b>	
Operating System	Microsoft Windows 10 IoT
Recording and Surveillance System	NMS (Novus Management System), NOVUS MANAGEMENT SYSTEM VSS
Additional Software	NMS-ANPR
Operation Mode	Pentaplex
OSD	Polish, English
Control	PC mouse and keyboard (in-set included), DCZ keyboard
System Diagnostic	automatic control of: HDDs, Temperature, Fan, Network
Security	Password protection, IP filtering, MAC filtering, Limiting the number of connections
<b>Integration</b>	
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 consumption/heatprint	490W/400W (without HDD for recording)
Operating Temperature	5°C ~ 35°C
RACK Mount 19"	2U

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