NoVus

NMS IP Recorder

NMS NVR X-4U-III



FUNCTIONS













KEY FEATURES

- 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
 optional disk mounting: 8 x SATA 3,5"
 External arrays support
 Operating system: Microsoft Windows 10 IoT
 Recording and surveillance system: NMS
- (Novus Management System)

 •Compatible with all NOVUS IP cameras

DIMENSIONS







RACK Mount 19"	4U
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	1 x HDMI 2.0b, 1 x Dual link-DVI, 1 x Display Port 1.2 (up to 3 monitors simultaneously)
Maximum Resolution	3 x 4K UltraHD
Audio	
Audio Output	1 x HDMI, 1 x Display Port
Performance - H.264	
2MPX IP Camera	Recording up to: 160 main streams (while displaying: 8 sub streams) Display up to: 60 sub streams or 20 main streams (while recording: 80 main streams) Playback up to: 20 main streams (while recording: 80 main streams)
4MPX IP Camera	Recording up to: 120 main streams (while displaying: 8 sub streams) Display up to: 50 sub streams or 13 main streams (while recording: 80 main streams) Playback up to: 13 main streams (while recording: 80 main streams)
SMPX IP Camera	Recording up to: 100 main streams (while displaying: 8 sub streams) Display up to: 40 streams or 8 amia streams (while recording: 80 main streams) Playback up to: 8 main streams (while recording: 80 main streams)
8MPX IP Camera	Recording up to: 80 main streams (while displaying: 8 sub streams) Display up to: 30 sub streams or 5 main streams (while recording: 60 main streams) Playback up to: 5 main streams (while recording: 60 main streams)
12MPX IP Camera	Recording up to: 80 main streams (while displaying: 8 sub streams) Display up to: 25 sub streams or 4 main streams (while recording: 50 main streams) Playback up to: 4 main streams (while recording: 50 main streams)
Performance - H.265	
2MPX IP Camera	Recording up to: 200 main streams (while displaying: 8 sub streams) Display up to: 65 sub streams or 20 main streams (while recording: 80 main streams) Playback up to: 20 main streams (while recording: 80 main streams)
4MPX IP Camera	Recording up to: 160 main streams (while displaying: 8 sub streams) Display up to: 40 sub streams or 9 main streams (while recording: 80 main streams) Playback up to: 9 main streams (while recording: 80 main streams)
SMPX IP Camera	Recording up to: 120 main streams (while displaying: 8 sub streams) Display up to: 35 sub streams or 4 main streams (while recording: 70 main streams) Playback up to: 4 main streams (while recording: 70 main streams)
8MPX IP Camera	Recording up to: 90 main streams (while displaying: 8 sub streams) Display up to: 25 sub streams or 4 main streams (while recording: 70 main streams) Playback up to: 4 main streams (while recording: 70 main streams)
12MPX IP Camera	Recording up to: 90 main streams (while displaying: 8 sub streams) Display up to: 16 sub streams or 4 main streams (while recording: 50 main streams) Playback up to: 4 main streams (while recording: 50 main streams)
Recording	
	Carbinate Cabada Basis Triangual assembly by alarmy land archive detection video and all DOC

Display	
Monitor Output	1 v HDMI 2 0h. 1 v Dual link DVI. 1 v Disnlav Port 1 2 (un to 2 monitors simultaneouslu)
·	1 x HDMI 2.0b, 1 x Dual link-DVI, 1 x Display Port 1.2 (up to 3 monitors simultaneously)
Maximum Resolution	3 x 4K UltraHD
Audio	
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SMPX IP Camera	Recording up to: 100 main streams (while displaying: 8 sub streams) Display up to: 40 sub streams or 8 main streams (while recording: 80 main streams) Playback up to: 8 main streams (while recording: 80 main streams)
8MPX IP Camera	Recording up to: 80 main streams (while displaying: 8 sub streams) Display up to: 30 sub streams or 5 main streams (while recording: 60 main streams) Playback up to: 5 main streams (while recording: 60 main streams)
12MPX IP Camera	Recording up to: 80 main streams (while displaying: 8 sub streams) Display up to: 25 sub streams or 4 main streams (while recording: 50 main streams) Playback up to: 4 main streams (while recording: 50 main streams)
Performance - H.265	
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4MPX IP Camera	Recording up to: 160 main streams (while displaying: 8 sub streams) Display up to: 40 sub streams or 9 main streams (while recording: 80 main streams) Playback up to: 9 main streams (while recording: 80 main streams)
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Recording	
	Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS,
Recording Mode	continuous, schedule, Failic, Triggered. Triandally, by alaram riput, motion detection, video analysis, FOS, temerature alarm individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with
Schedule	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
Backup	
·	MARKET AND A STATE OF THE STATE
Backup Methods	USB port (HDD lor Flash drive), Network
Backup File Format	JPEG, BMP, AVI, NMS
Backup File Format	JPEG, BMP, AVI, NMS
HDD	
HDD Internal storage for system	1 x SSD NVMe
HDD	
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HDD Internal storage for system Internal Storage for Recording Alarms	1 x SSD NVMe 8 available bays for 3,5" HDD surveillance grade storage media
HDD Internal storage for system Internal Storage for Recording Alarms Alarm Input/output in cameras	1 x SSD NVMe 8 available bays for 3,5* HDD surveillance grade storage media support of alarm input and output built in cameras
HDD Internal storage for system Internal Storage for Recording Alarms Mation detection	1 x SSD NVMe 8 available bays for 3,5" HDD surveillance grade storage media support of alarm input and output built in cameras support of motion detection built in cameras
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HDD Internal storage for system Internal Storage for Recording Alarms Alarm Input/output in cameras Motion detection Video Analytics Temperature alarm	1 x SSD NVMe 8 available bays for 3,5" HDD surveillance grade storage media support of alarm input and output built in cameras support of motion detection built in cameras supported built in analytics in camera support of temperature alarm built in cameras
Internal storage for system Internal Storage for Recording Alarms Alarm Input/output in cameras Motion detection Video Analytics Temperature alarm Licence plate recognition (LPR)	1 x SSD NVMe 8 available bays for 3,5" HDD surveillance grade storage media support of alarm input and output built in cameras support of motion detection built in cameras supported built in analytics in camera
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HDD Internal storage for system Internal Storage for Recording Alarms Alarm Internal Storage for Recording Alarms Motion detection Video Analytics Temperature alarm Licence plate recognition (LPR) Network Network Interface Network Protocols Support Compatible Mobile Applications PTZ PTZ Functions Additional Interfaces USB Ports Operating System	1 x SSD NVMe 8 available bays for 3,5" HDD surveillance grade storage media support of alarm input and output built in cameras support of motion detection built in cameras supported built in analytics in camera support of temperature alarm built in cameras support of selected image analysis functions available in the camera 2 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s up to 450Mbit/s from all cameras, up to 450Mbit/s from all cameras, up to 450Mbit/s to all client stations, Max network throughput: 450Mbit/s for each network card HTTP, TCPJP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA NMS Mobile pan, tilk, 200m, preset commands, patterns, tours, auto-scans, focus, iris 4 x USB 3.2 2 x USB 3.2
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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)	178 (W) x 452 (H) x 648 (D)	
Weight	28 kg (without HDD)	
Power Supply	built in 700W, with 230VAC input	
Power consumption/heatprint	350W/280W (without HDD for recording)	
Operating Temperature	5°C ~ 35°C	
RACK Mount 19"	4U	
* To support more than two monitors it is required to use Display Port output. ** Available with dual streaming mode. ** Function capability depends on used devices and communication protocols. *** List of compatible HDD models and maximum of their capacities is available in section DOWNLOADABLE FILES.		