NOVUS

NMS IP Recorder

NMS NVR X-2U-III-120TB





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
- \bullet Built-in HDDs: 12 x 10 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



RACK Mount 19"	2U			
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)			
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				
BACKUP					
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 10TB 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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ΑD	DI	LION	IAL	INT	ERF	ACES

4 x USB 2.0, 4 x USB 3.2, 1 x USB 3.2 Type-C 2 x USB 2.0,			
Microsoft Windows 10 IoT			
NMS (Novus Management System)			
NMS, Internet Explorer			
Pentaplex			
Polish, English, Russian, others			
PC mouse and keyboard (in-set included), DCZ keyboard			
automatic control of: HDDs, Temperature, Fan, Network, Camera connection loss			
Password protection, IP filtering, MAC filtering, Limiting the number of connections			
Novus IP Cameras, Novus IP Recorders, Novus AHD Recorders, NMS- ANPR Software, DSC Systems, POS Systems (Posnet, Upos and other) ONVIF Devices, RTSP Devices			
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.



