NOVUS

IP Recorder

NVR-3416





KEY FEATURES













- •8 x PoE Ethernet ports
- •16 x video and audio channels
- •Recording speed up to 480 fps at 2048 x 1536
- •Supports resolution up to 2048 x 1536
- •Recorded stream size: 54 Mb/s in total from all
- •2 x internal place for HDD mounting
- •3 x monitor outputs (HDMI, VGA, BNC)
- •Intelligent image analysis

COMPLIANCE



DIMENSIONS



Maximum Supported Camera Resolution	2048 x 1536	
Compression	H.264, H.264+	
Monitor Output	main (split screen, full screen, sequence): 1 x HDMI, 1 x VGA, 1 x BI (up to 3 monitors simultaneously)	
Dualstreaming Support	yes*	
AUDIO		
Audio Input/Output	- / 1 x line-out (BNC)	
RECORDING		
Recording Speed	480 fps (16 x 30 fps for 1280 x 720) • 480 fps (16 x 30 fps for 1920 x 1080) • 480 fps (16 x 30 fps for 2048 x 1536)	
Stream Size	112 Mb/s in total from all cameras	
Recording Mode	continuous, triggered by: alarm input, motion detection, perimeter intrusion detection	
Schedule	individual settings for: each camera, each day of the week, configuration with an accuracy of: $1\mathrm{min}$, possibility of combining individual recording modes	
Prealarm/Postalarm	up to 32 MB/do 300 s	
DISPLAY		
Display Speed	480 fps (16 x 30 fps)**/***	
PLAYBACK		
Playback Speed	300 fps (10 x 30 fps for 1280 x 720) • 90 fps (3 x 30 fps for 1920 x 1080) • 30 fps (1 x 30 fps for 2048 x 1536)	
Recorded Data Search	by date/time, image analysis events	
BACKUP		

Backup Methods	USB port (HDD or Flash memory), network, cloud storage
Backup File Format	AVI, DAV

STORAGE

Internal Storage	available mount: 2 x HDD 3.5" 6 TB SATA
Total Internal Capacity	12 TB

ALARM

ALARM		
Internal Alarm Input/Output	8/3 relay type (max. 12VDC/1A)	
Camera Alarm Input/Output	supports IP camera's alarm input/output *	
Motion Detection	supports camera's motion detection*	





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System Reaction to Alarm Events buzzer, e-mail, alarm output activation, screen message, recording activation, PTZ, cloud storage

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INTELLIGENT IMAGE ANALY	(SIS	
Perimeter intrusion detection	2 channels ****	
Face detection	1 channel ****	
NETWORK		
Network Interface	1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s • 8 x Ethernet PoE (IEEE802.3af, Class 3) - RJ-45 interface, 10/100 Mbit/s	
Network Protocols Support	HTTP, TCP/IP, IPv4, UDP, FTP, DHCP, DNS, DDNS, NTP, UPnP, SMTP	
PC/MAC Software	Internet Explorer, Firefox, Chrome/-	
Mobile applications	VSS Mobile (iPhone, Android)	
Number of Simultaneous Connec	tionsup to 10 clients	
Bandwidth	28 Mb/s in total to all client workstations - with image analysis • 58 Mb/s in total to all client workstations - without image analysis	
PTZ		
PTZ Functions	pan/tilt/zoom, preset commands*	
AUXILIARY INTERFACES		
USB Ports	2 x USB 2.0	
OPERATING SYSTEM		
Operating System	Linux	
Operation Mode	triplex	
OSD	languages: Polish, English, Russian, others	
Control	front panel, IR remote controller (in-set included), PC mouse (in-set included), network	
System Diagnostic	automatic control of: HDDs, network, camera connection loss	
Security	password protection, IP filtering	
INSTALLATION PARAMETER	RS	
Dimensions (mm)	360 (W) x 48 (H) x 260 (D)	
Weight	2 kg (without HDD)	
Power Supply	48 VDC (100 \sim 240 VAC/48 VDC PSU in-set included) • 12 VDC (100 \sim 240 VAC/12 VDC PSU in-set included)	
Power Consumption	40 W (with 2 HDDs) + 90 W PoE	

^{*} Function capability depends on used camera, for details please check the compatibility list. ** For BNC output speed may be lower. *** Available with dual streaming mode.

-10°C ~ 55°C

Operating Temperature





^{****} The "Perimeter intrusion detection" and "Face Detection" cannot run simultaneously. ***** List of compatible HDD models and maximum of their capacities is available in section DOWNLOADABLE FILES.