128-channel IP Recorder

NVR-64128-H16/FR



FUNCTIONS

The recorder is dedicated to work with NOVUS 6000 series IP cameras. Detailed data can be found in the compatibility table available in the DOWNLOADABLE FILES tab.

COMPLIANCE

KEY FEATURES

- 128 x video and audio channels
- Recording speed up to 3840 fps at 5520 x 2400
- Supports resolution up to 5520 x 2400
- Recorded stream size: 768 Mb/s in total from all cameras
- 16 x internal place for HDD mounting
- 5 x monitor outputs (HDMI 8K UHDTV, 2 x HDMI 4K UltraHD, HDMI, VGA)
- Intelligent image analysis
- RAID protects recordings

DIMENSIONS



437 mm



483 mm

Video	
IP Cameras	up to 128 channels at 5520 x 2400 resolution (video + audio)
Maximum Supported Camera Resolution	5520 x 2400 4000 x 3000 for fisheye cameras
Compression	H.264, H.265, H.265+, H.265 Smart
Monitor Output	main (split screen): 1 x HDMI (8K UHDTV), 1 x VGA (up to 2 monitors simultaneously) spot: 2 x HDMI (4K Ultra HD), 1 x HDMI (FullHD)
Dualstreaming Support	yes
Fisheye Support	yes, 6000 IP series cameras using NVR, any web browser, ipGO 6, N Control 6000
Audio	
Audio Input/Output	1 x line-in (RCA) / 1 x HDMI, 1 x line-out (RCA)
Recording	
Recording Speed	3840 fps (128 x 30 fps for 5520 x 2400 and lower)
Stream Size	768 Mb/s in total from all cameras
Recording Mode	continuous, triggered by: manual, alarm input, motion detection, intelligent image analysis functions
Prealarm/Postalarm	up to 5 s/up to 600 s
Display	
Display Speed	1920 fps (64 x 30 fps)
Playback	
Playback Speed	480 fps (16 x 30 fps)
Recorded Data Search	by date/time, events, image analysis events, POS, motion in a defined area, related to face recognition, tags, license plate number
Backup	
Backup Methods	USB port (HDD or Flash memory), network
Backup File Format	MP4, AVI, RPAS (player included)
Storage	
Internal Storage	available mount: 16 x HDD 3.5" 18 TB SATA in Hot-Swap bays
Total Internal Capacity	288 TB
External storage	2 x eSATA
Total External Capacity	36 TB
RAID Mode	RAID0, RAID1, RAID5, RAID6, RAID10
Alarm	
Internal Alarm Input/Output	24/8 relay type (max. 12VDC/1A)
Camera Alarm Input/Output	supports IP camera's alarm input/output
Motion Detection	supports camera's motion detection
System Reaction to Alarm Events	buzzer, alarm output activation, recording activation, PTZ, e-mail with atatchment, Full Screen, PUSH message, voice prompt, snapshot
Intelligent image analysis	
Supported Functions	Exception, Scene Change, Video Blurred, Video Color Cast, Tripwire, Zone entrance, Abandoned Object, Object Disappearance, Face Detection, Face Recognition, Perimeter Intrusion Detection by pedestrian or vehicle, Line Cross Detection by pedestrian or vehicle, License Plate Recognition (LPR), Video metadata
Database Capacity	10000 faces 50000 license plates
Other parameters	face recognition for 16 NOVUS 6000 series IP cameras with 'F' in the model name or 4 ONVIF cameras
Network	
Network Interface	2 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, IEEE 802.1X, PPPoE, SMTP, P2P, POS, HTML5
ONVIF Protocol Support	G/S/T profiles
PC/MAC Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, Firefox, Chrome, Opera, N Control 6000, Edge/Safari, N Control 6000
Mobile applications	ipGO 6 (iPhone, Android)
Number of Simultaneous Connections	up to 128 clients, up to 68 main streams or 256 substreams or 32 playback streams in total
Bandwidth	768 Mb/s in total to all client workstations
PTZ	
PTZ Functions	pan/tilt/zoom, preset commands
Auxiliary Interfaces	
USB Ports	3 x USB 2.0, 1 x USB 3.0
Operating system	
Operating System	Linux
OSD	languages: Polish, English, others
Control	PC mouse (in-set included), network
System Diagnostic	automatic control of: HDDs, network, camera connection loss
Security	password protection, IP filtering, MAC filtering, ARP guard
Installation parameters	
Dimensions (mm)	437 (W) x 143 (H) x 483 (D)
Weight	6 kg (without HDD)
Power Supply	100 ~ 240 VAC
Power Consumption	275 W (with 8 HDDs)
Operating Temperature	-10°C ~ 50°C
RACK Mount 19"	4U

The availability of individual functions (including image analysis) depends on the model of the cameras used, as well as the software version of the recorder and cameras.
Presented display and playback speeds are achieved using dual-streaming. Detailed data on hard drives can be found in the compatibility table available in the DOWNLOADABLE FILES tab.