# NOVUS

# 16-channel IP Recorder

NVR-6316A-H2-II



**6000** VSS IP

## ▮ FUNCTIONS

INGENIUS PLUS
FACE DETECTION
VCA ANALYSIS
4K HDMI
ipGO
H·265+
H·265 SMART
NDAA
8 Mpx
160 Mb/s Stream
480 fps ● REC
x16 V+A
×2 Monitor
×2 HDD

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.

| Video | |
|---|---|
| IP Cameras | up to 16 channels at 3840 x 2160 resolution (video + audio) |
| Maximum Supported Camera Resolution | 3840 x 2160 |
| Compression | H.264, H.265, H.265+, H.265 Smart |
| Monitor Output | main (split screen, full screen, sequence): 1 x HDMI (4K UltraHD), 1 x VGA (up to 2 monitors simultaneously) |
| Dualstreaming Support | yes |
| Fisheye Support | yes, 6000 IP series cameras<br>using 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 | 480 fps (16 x 30 fps for 3840 x 2160 and lower) |
| Stream Size | 160 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 | 480 fps (16 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, 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: 2 x HDD 3.5" 24 TB SATA |
| Total Internal Capacity | 48 TB |
| **Alarm** | |
| Internal Alarm Input/Output | 4/1 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, Perimeter Intrusion Detection by pedestrian or vehicle, Line Cross Detection by pedestrian or vehicle, License Plate Recognition (LPR), Video metadata |
| Database Capacity | 1000 license plates |
| **Network** | |
| Network Interface | 1 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 |
| PC/MAC Software | NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefox, Chrome, Opera, N Control 6000, Edge/Safari, N Control 6000 |
| Mobile applications | ipGO 6 (iPhone, Android) |
| Number of Simultaneous Connections | up to 64 clients, up to 20 main streams or 64 substreams or 16 playback streams in total |
| Bandwidth | 160 Mb/s in total to all client workstations |
| **PTZ** | |
| PTZ Functions | pan/tilt/zoom, preset commands |
| **Auxiliary Interfaces** | |
| USB Ports | 2 x USB 2.0 |
| **Operating system** | |
| Operating System | Linux |
| OSD | languages: Polish, English, others |
| Control | PC mouse and IR remote controller (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) | 380 (W) x 52 (H) x 268 (D) |
| Weight | 1.52 kg (without HDD) |
| Power Supply | 12 VDC (100 ~ 240 VAC/12 VDC PSU in-set included) |
| Power Consumption | 30 W (with 2 HDDs) |
| Operating Temperature | -10°C ~ 50°C |
| RACK Mount 19" | 1U |

## ▮ KEY FEATURES

- 16 x video and audio channels
- Recording speed up to 480 fps at 3840 x 2160
- Supports resolution up to 3840 x 2160
- Recorded stream size: 160 Mb/s in total from all cameras
- 2 x internal place for HDD mounting
- 2 x monitor outputs (HDMI 4K UltraHD, VGA)
- RACK mount
- Intelligent image analysis

## ▮ DIMENSIONS



380 mm

52 mm

268 mm

*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.*