

# 16-Channel PoE Network Video Recorder (NVR)

Art.-Nr. NVR10031P

Seite 1 von 4



**Stream, operate and record up to 16 cameras**

When connected to the integrated PoE switch, it supplies the cameras with power and configures the network parameters. Setting up the cameras in the recorder is quick and safe thanks to the intuitive installation wizard. The clear menu allows for easy and quick programming. All ABUS cameras are integrated by protocol.

**Free choice of operation**

The local menu for the live view is clearly laid out and self-explanatory. The recorder can also be accessed via a web browser, ABUS CMS software or app.

**ABUS Link Station**

The ABUS NVRs support the ABUS Link Station service. This allows for easy setup in the app. The NVR can be accessed from the Internet without the need for complex port forwarding. The service also offers a solution if only one IPv6 Internet address is available at the location.

**Efficiency in everyday life**

Fast and secure access control via the connectable ABUS license plate recognition camera. A lot of time can be saved in the event of an incident: The integrated object recognition, face recognition with single image capture or people search based on a facial image enable structured and efficient searching.

## Technologies

- Live view and recording from up to 16 IP cameras @ 8 MPx (4K)
- High-performance network data throughput with up to 416 Mbit/s (160 Mbit/s in / 256 Mbit/s out)
- Integrated PoE switch (max. 200 watts) for power supply and fast commissioning of IP cameras
- Simple local operation on the device, via web browser, ABUS CMS software or app
- VCA function for precise detection and differentiation of people and vehicles in real time
- Manual or controlled recording according to schedule, motion detection, alarm input or VCA
- Recording on up to 2 SATA hard drives
- Face recognition and detection with single image capture for efficient event search in the video stream
- Search for people for rapid clarification in the event of an incident with facial image

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Art.-Nr. NVR10031P

Seite 2 von 4

## Technical data - 16-Channel PoE Network Video Recorder (NVR)

|   |  |
|---|--|
| AC voltage supply                         | 100 V  |
| AHD video channels                        | 0  |
| Alarm inputs (NO/NC)                      | 4  |
| Alarming                                  | Acoustic warning signal, OSD signal, email, CMS, alarm output, app push  |
| Analogue video channels                   | 0  |
| Audio                                     | Line In: 1 x Cinch (2.0 V s-s, 1000 $\Omega$ ) – for network transmission only, Audio Out: 1 x Cinch (1000 $\Omega$ )  |
| Audio compression                         | G.711ulaw / G.711alaw / G.722 / G.726 / AAC / MP2L2 / PCM  |
| Battery - GRS type                        | CR1220   |
| Battery - quantity                        | 1  |
| Camera inputs                             | 16   |
| Compatible with ABUS Link Station         | Yes  |
| Compatible with Secoris                   | No   |
| Compatible with wAppLoxx Pro              | No   |
| Connections                               | 1 x HDMI, 1 x VGA, 2 x RJ45 LAN, 16 x camera input (PoE), 1 x audio input (Cinch), 1 x audio output (Cinch), 1 x USB 3.0, 1 x USB 2.0, 1 x BNC output, 1 x DC input, 4 x alarm input, 1 x alarm output |
| Control                                   | USB mouse, IP network via Internet browser/ABUS CMS  |
| DDNS                                      | Yes  |
| Dimensions                                | 380 x 315 x 50 mm  |
| Event memory                              | Yes  |
| Gross weight                              | 3,7 kg   |
| HD-CVI video channels                     | 0  |
| HD-SDI video channels                     | 0  |
| HD-TVI video channels                     | 0  |
| HDMI Out                                  | Yes  |
| Height                                    | 50 mm  |
| Housing material                          | metal  |
| Hybrid-capable                            | No   |
| IP video channels                         | 16   |
| Installation type                         | Table, 19 inch rack (Note: fan integrated in recorder)   |
| Length                                    | 315 mm   |
| Loi Sarkozy compliant (only valid for FR) | Yes  |
| Max. humidity                             | 90 %   |
| Max. operating temperature                | 55 °C  |
| Min. display resolution                   | 1024 x 768 Pixel   |

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Art.-Nr. NVR10031P

Seite 3 von 4

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|   |  |
|---|--|
| Min. operating temperature                        | -10 °C   |
| Mobile access                                     | ABUS Link Station Lite / Pro (Apple iOS & Android)   |
| Monitor outputs                                   | 1 x VGA, 1 x HDMI  |
| Multi-monitor function                            | Yes  |
| NTP   | Yes  |
| Net weight  | 1,8 kg   |
| Network access                                    | 16 x RJ45 PoE (IEEE 802.3 af/at, max. 200 W) + 2 x RJ45 10/100/1000 Mbps   |
| Network cameras                                   | ABUS network cameras, 3rd party (abus.com), RTSP, Open Network Video   |
| Network functions                                 | Live view, playback, data export, settings   |
| Network protocols                                 | TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, ABUS Server, NTP, RTSP, SMTP, SNMP, HTTP, HTTPS   |
| Number of HDDs                                    | 2  |
| Number of channels                                | 16   |
| Number of users                                   | 32   |
| OSD language                                      | DE, EN, FR, NL, DK, IT, ES, SE, PL   |
| Other functions                                   | 16 channel motion detection or 4 channel VCA or 4 channel face detection, 8 channel face comparison, VCA (intrusion detection, tripwire, enter region, leave region) |
| PSTI conformity given                             | Yes  |
| PSTI conformity required                          | Yes  |
| PTZ control                                       | Over IP network  |
| Performance decoding (local live view & playback) | AI in NVR off: max. 64 MPx, AI over NVR: max. 40 MPx   |
| PoE standard                                      | IEEE 802.3 af/at (max. 200 W)  |
| Power consumption                                 | 3.200 mA   |
| Power consumption incl. HDD                       | 240 W  |
| Pre/post alarm memory                             | Yes (pre-alarm depends on resolution and bitrate, post-alarm (5 - 600 sec.))   |
| Product security updates at least until           | 2026-08-01   |
| RAID  | No   |
| RS-485 interface                                  | No   |
| Recording modes                                   | Manual, Schedule, Motion Detection, Alarm Input, VCA   |
| Recording resolution @ frame rate per camera      | 32 MPx, 24 MPx, 12 MPx, 8 MPx, 6 MPx, 5 MPx, 4 MPx, 3 MPx, 1080p, 720p, VGA @ 25 fps   |
| Relay output                                      | 1 (load capacity: 12 V DC/1 A)   |
| Resolution HDMI output                            | 4K(3840x2160)/60Hz, 4K(3840x2160)/30Hz, 1920x1080/60Hz, 1600x1200/60Hz, 1280x1024/60 Hz, 1024x768/60 Hz  |
| Resolution VGA output                             | 1920x1080p/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz  |
| Search modes                                      | Event, Date & Time, Smart Search, VCA, Face  |
| Simultaneous network access                       | 128 camera connections   |
| Storage   | 1 x USB 2.0, 1 x USB 3.0   |

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Art.-Nr. NVR10031P

Seite 4 von 4

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## Technical data - 16-Channel PoE Network Video Recorder (NVR)

|  |                                    |
|--|------------------------------------|
| Storage medium                             | 2 x SATA HDD (up to 16 TB per HDD) |
| Technology                                 | IP                                 |
| Total frame rate                           | 400 fps                            |
| Total network throughput<br>(input/output) | 416 MBit/s (160 MBits/256 MBits)   |
| Total video channels                       | 16                                 |
| User levels                                | 3                                  |
| Video Content Analysis (VCA)               | Yes                                |
| Video compression                          | H.264, H.265 (incl. Dynamic GOP)   |
| Views                                      | 1 / 4 / 6 / 8 / 9 / 16             |
| Web server                                 | Yes                                |
| Width                                      | 380 mm                             |