

# 16-Channel Network Video Recorder (NVR)

Art.-Nr. NVR10031

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Stream, operate and record up to 16 cameras

Setting up the cameras in the recorder is quick and safe thanks to the intuitive installation wizard. The clear menu allows quick and easy programming. All ABUS cameras are integrated per protocol.

Free choice when operating

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

ABUS Link Station

The ABUS NVRs support the ABUS Link Station service. This allows easy setup in the app. The NVR can be accessed from the Internet without 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 licence plate recognition camera. A lot of time can be saved in the event of an incident: The integrated motion detection with object recognition (human/vehicle) enables a structured and efficient search of events, even for older ABUS IP cameras (see compatibility list).

## Technologies

- Live view and recording of 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)
- Simple operation locally on the device, via web browser, ABUS CMS software or app
- Processing of the VCA function of ABUS IP cameras 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 for extensive and reliable storage of video data

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

|                                                   |                                                                                                                                                                               |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm generation                                  | Acoustic warning signal, OSD signal, email, CMS, alarm output, app push                                                                                                       |
| Alarm inputs (NO/NC)                              | 4                                                                                                                                                                             |
| Application purpose                               | General surveillance                                                                                                                                                          |
| 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, 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 unit                                      | USB mouse, IP network via Internet browser/ABUS CMS                                                                                                                           |
| Current consumption                               | 3,400 mA                                                                                                                                                                      |
| DC power supply                                   | 12 V                                                                                                                                                                          |
| DDNS                                              | Yes                                                                                                                                                                           |
| Data backup                                       | 1 x USB 2.0, 1 x USB 3.0                                                                                                                                                      |
| Decoding performance (local live view & playback) | AI in NVR off: max. 64 MPx, AI over NVR: max. 40 MPx                                                                                                                          |
| Depth                                             | 315 mm                                                                                                                                                                        |
| Dimensions                                        | 380 x 315 x 50 mm                                                                                                                                                             |
| Event memory                                      | Yes                                                                                                                                                                           |
| Gross weight                                      | 3.7 kg                                                                                                                                                                        |
| HDMI Out                                          | Yes                                                                                                                                                                           |
| Height                                            | 50 mm                                                                                                                                                                         |
| Housing material                                  | metal                                                                                                                                                                         |
| Hybrid capable                                    | No                                                                                                                                                                            |
| Language OSD                                      | DE, EN, FR, NL, DK, IT, ES, SE, PL                                                                                                                                            |
| Length                                            | 315 mm                                                                                                                                                                        |
| Loi Sarkozy compliant (only valid for FR)         | Yes                                                                                                                                                                           |
| Max. Air humidity                                 | 90 %                                                                                                                                                                          |
| Max. Operating temperature                        | 55 °C                                                                                                                                                                         |
| Max. number of video feeds                        | 16                                                                                                                                                                            |
| Min. operating temperature                        | -10 °C                                                                                                                                                                        |

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|                                              |                                                                                                                    |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Mobile access                                | Yes                                                                                                                |
| Monitor outputs                              | 1 x VGA, 1 x HDMI                                                                                                  |
| Mounting type                                | Table, 19 inch rack (Note: fan integrated in recorder)                                                             |
| Multi-monitor function                       | Yes                                                                                                                |
| NTP                                          | Yes                                                                                                                |
| Net weight                                   | 1.8 kg                                                                                                             |
| Network cameras                              | ABUS network cameras, 3rd party (abus.com), RTSP, Open Network Video                                               |
| Network connection                           | 2 x RJ45 10/100 /1000 Mbps                                                                                         |
| 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                                                                                                                 |
| Other functions                              | Via NVR: 16 channel authorisation. (ABUS cameras from 2022, person/vehicle, see compatibility list)                |
| PSTI conformity given                        | Yes                                                                                                                |
| PSTI conformity needed                       | Yes                                                                                                                |
| PTZ control                                  | Over IP network                                                                                                    |
| Power consumption                            | 30 W                                                                                                               |
| Power consumption incl. HDD                  | 40 W                                                                                                               |
| Pre/post-alarm memory                        | Yes (pre-alarm depends on resolution and bitrate, post-alarm (5 - 600 sec.)                                        |
| Product group                                | Recorders                                                                                                          |
| Product security update min until            | 2026-08-01                                                                                                         |
| RAID                                         | No                                                                                                                 |
| RS-485 interface                             | No                                                                                                                 |
| Recording modes                              | Manual, Schedule, Motion Detection, Alarm Input, VCA                                                               |
| Relay output                                 | 1 (load capacity: 12 V DC/1 A)                                                                                     |
| Resolution HDMI output                       | HDMI V1.4, 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                                                      |
| Resolution recording @ 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                               |
| Search modes                                 | Event, Date & Time, Smart Search, VCA                                                                              |
| Simultaneous network access                  | 128 camera connections                                                                                             |
| Storage medium                               | 2 x SATA HDD (up to 16 TB per HDD)                                                                                 |
| Total frame rate (PAL)                       | 400                                                                                                                |
| Total network throughput (input/output)      | 416 MBit/s (160 MBits/256 MBits)                                                                                   |

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|                                |                                  |
|--------------------------------|----------------------------------|
| Total video channels           | 16                               |
| User levels                    | 3                                |
| Video Content Analysis (VCA)   | Yes                              |
| Video channels AHD             | 0                                |
| Video channels HD-CVI          | 0                                |
| Video channels HD-SDI          | 0                                |
| Video channels HD-TVI          | 0                                |
| Video channels IP              | 16                               |
| Video channels analog          | 0                                |
| Video compression              | H.264, H.265 (incl. Dynamic GOP) |
| Video motion detector included | Yes                              |
| Views                          | 1 / 4 / 6 / 8 / 9 / 16           |
| WEEE group                     | 09                               |
| Web server                     | Yes                              |
| width                          | 380 mm                           |