

16-Channel Network Video Recorder with 16 PoE channels, Ultra H.265 / H.264, 3840×2160p, P2P, Cloud, Smart AI, ONVIF, PC/Mac CMS, 230V AC



IP



16 IP Channels



4K UHD Resolution



16 PoE Channels



Intelligent Search



Up to 2 HDDs with 10TB each



Alarm 4 Inputs 1 Output



CMS Mac/PC



Apps for Android and iOS

Product information

NVR1016-P16 network video recorder is the user-friendly surveillance solution for controlling up to 16 IP-cameras, each up to 8MP, directly via the recorder or remotely via app, a webclient and the professional Balter CMS. Recordings are compressed via Ultra H.265, drastically reducing file size while maintaining optimum image quality. Up to 2 HDDs, each up to 10TB, can be installed for a maximum storage capacity of up to 20TB. The VideoStation app for Android and iOS connects to the recorder via P2P and provides access to the cameras' live videos and all saved recordings on the go. Using the professional Balter CMS, all functions of the recorder can be accessed via Mac/PC, while a webclient allows to operate the recorder via internet, without the need to install additional software. NVR1016-P16 is the ideal choice for ensuring reliable and extensive surveillance of large facilities, for example hospitals, airports, train stations and schools.

NVR1016-P16

- 16 IP video channels / 16 PoE channels
- Ultra H.265 / H.265 / H.264 compression
- 160Mbit incoming and 64Mbit outgoing bandwidth
- Supports up to 2 HDDs for an overall capacity of 20TB
- Intelligent search function for video analysis events
- Triple stream support, iOS/Android apps
- Privacy protection, Cloud, FTP-Upload, Email
- ANR technology to enhance the storage reliability
- Bidirectional audio transmission
- Peer-2-Peer (P2P) connection to NVR
- CMS and WebClient for PC and MAC, ONVIF
- Multi protocol support for PTZ cameras
- Alarm 4 inputs and 1 output
- 230V AC input voltage (15 Watt, excluding HDD)

Technical specifications NVR1016-P16



16 IP Channels / 16 PoE Channels

NVR1016-P16 offers 16 channels for IP cameras up to 8MP. 16 channels were designed as PoE channels, so one cable per camera simultaneously transmits both power and data. The extremely high resolution captures even tiny details.

Up to 20TB Disk Space

NVR1016-P16 has room for 2 HDDs allowing for a maximum storage capacity of up to 20TB. That's more than enough for even the most demanding jobs and reduces the maintenance requirements to a minimum.

Search for Video Analysis Events

This versatile recorder allows multiple selectable recording modes: intrusion, cross line, defocus and scene change detection, and VCA search. Recording features include event search, event log, and email notification.

Motion Detection

Save additional disk space by only letting the cameras record when movement is detected. The integrated software registers movement and automatically triggers a recording.

Ultra HD 4K Resolution Recording

With 4K resolution, nothing is left to the imagination. The higher number of pixels gives your video footage superior detail and definition, and clearly outlines the distinct features of objects that appear on camera while maintaining realistic color representation.

Email and Push Notifications

In case of an alarm, NVR1016-P16 notifies you immediately via email and sends you an image of the current situation. This way you can react promptly to any event and initiate further steps, if desired.

Ultra H.265

This state-of-the-art compression algorithm sets new standards in efficiency and image quality. It effectively doubles your storage capacity: Compared to its predecessor, videos use less than 50% of their original disk space.

Quick Search

Find results of the Intelligent Video Analysis in an instant. Combined with Balter IP cameras, the multifunctional timebar lets you instantly find what you're looking for. You will never have to search for a specific recording again.

Peer-2-Peer

See what the cameras are seeing and search all recorded footage - wherever you are. Just scan the QR Code on your recorder and take control with the Balter VideoStation app for Android and iOS.

Alarm Inputs and Outputs

4 alarm inputs and 1 output make NVR1016-P16 the control centre of your personal security system. The NVR controls and reacts to external devices like sirens, barriers and motion detectors. The app will also enable convenient push notifications for motion-triggered events so you can always be in-the-know.

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|-----------------------------------|--|
| Type of Recorder | NVR |
| IP Channels | 16 |
| IP Channels with PoE | 16 (240W), IEEE 802.3af/at |
| Maximum Resolution | 3840 × 2160p (8MP) |
| Recording Resolution | 8MP (4K) / 6MP / 5MP / 4MP / 3MP / 1080p / 960p / 720p / D1 / 2CIF / CIF |
| Live view / Playback | 8MP (4K) / 6MP / 5MP / 4MP / 3MP / 1080p / 960p / 720p / D1 / 2CIF / CIF |
| Synchronous Playback (Monitor) | 2 Channels at 3840 × 2160p, 4 Channels at 2688 × 1520p, 8 Channels at 1920 × 1080p |
| Synchronous Playback (Network) | 16 Channels at 3840 × 2160p (4K UHD) |
| Bandwidth | 160Mbit incoming, 64Mbit outgoing |
| Remote Users | 128 |
| Camera Configuration via Recorder | Yes, for Balter IP Cameras |
| Compression Method | Ultra H.265 / H.265 / H.264 |
| Languages | English, German, French, Spanish, Polish, Portuguese, Italian, Turkish etc. |
| Recording Modes | Continuous, Manual, Motion, Alarm, Occurrence, Timetable, Video Analysis |
| Prealarm / Afteralarm | Up to 60 Seconds / Up to 600 Seconds |
| Corridor Mode Screen | 3 / 4 / 5 / 7 / 9 / 10 / 12 / 16 / 32 |
| Search Modes | Date/Time, Motion, Occurrence, Calendar, Alarm, Video Analysis |
| Motion Detection | Yes, for all Balter and Neostar Analogue HD / IP Cameras and ONVIF |
| Smart VCA Detection | Face detection, Intrusion detection, Cross line detection, Audio detection, Defocus detection, Scene change detection, Auto tracking, Object Left Behind, Object Removed |
| Smart VCA Search | Face search, Behavior search |
| Statistical Analysis | People counting |
| Playback Functions | Quick Playback, Timebar, Intelligent Video Analysis, Alarms, Back, Forward |
| Additional Functions | FTP-Upload, Calendar, Email Notification, Privacy Masking, Password Protection, Mouse Control, Remote Control |
| Cloud Support | Recorder and Camera Update via Cloud |
| Multi-Stream | Triple-Stream (MainStream, SubStream, MobileStream) |
| iOS and Android App | Balter VideoStation |
| WebView | Internet Explorer (PC), Mozilla Firefox (PC), Google Chrom (PC) Apple Safari (Mac OS) |
| Balter CMS | Microsoft Windows and Apple MacOS |
| Peer to Peer | Yes, P2P with QR Code |
| Bandwidth Control | Auto, Manual (MainStream, SubStream and MobileStream) |
| Network Streamtype | Video, Video and Audio |
| Network Protocols | P2P, UPnP, NTP, DHCP, PPPoE |
| Monitoring via Network | Balter CMS Software for PC / MAC, Web-Sever (WebView), iOS / Android Apps |
| Maximum HDD Capacity | 2x HDD (for an overall capacity of 20TB) |
| USB Ports | 2x USB (USB 3.0 for Back-up and USB 2.0 for Mouse Control) |
| Password Protection | Yes with multiple User Layers |
| Push-Notifications | On / Off for iOS and Android Balter VideoStation App |
| Alarm Functions | Tamper, Video loss, Motion, Audioalarm, Mobile Alarms, Remote Notifications |
| HDMI Output | 3840 × 2160p (4K UHD) to 1024 × 768p |
| VGA Output | 1920 × 1080p (Full HD) to 1024 × 768p |
| Alarm Input/Output | 4 Inputs, 1 Output |
| Audio Inputs / Outputs | 1 Input (RCA), 1 Output (RCA) |
| Two-Way Audio Communication | Supported |
| Ethernet | RJ-45 (10M/100M/1000M) |
| PTZ-Controls / Serial Interface | LAN |
| Color | Black |
| Power Supply | 100V AC ~ 240V AC |
| Power Usage | 15 Watt max, excluding HDD |
| Operating Temperature/Humidity | -10 °C to 55 °C (14 °F - 131 °F) / 10% bis 90% (non condensing) |
| Dimensions (L x H x D) | 380 × 53 × 315 mm |
| Weight | 2.7 kg |