IP

16-Channel Network Videorecorder, H.265 / H.264, max. 3840×2160, Balter P2P, Audio, Cloud, ONVIF, CMS PC/Mac, 48V DC

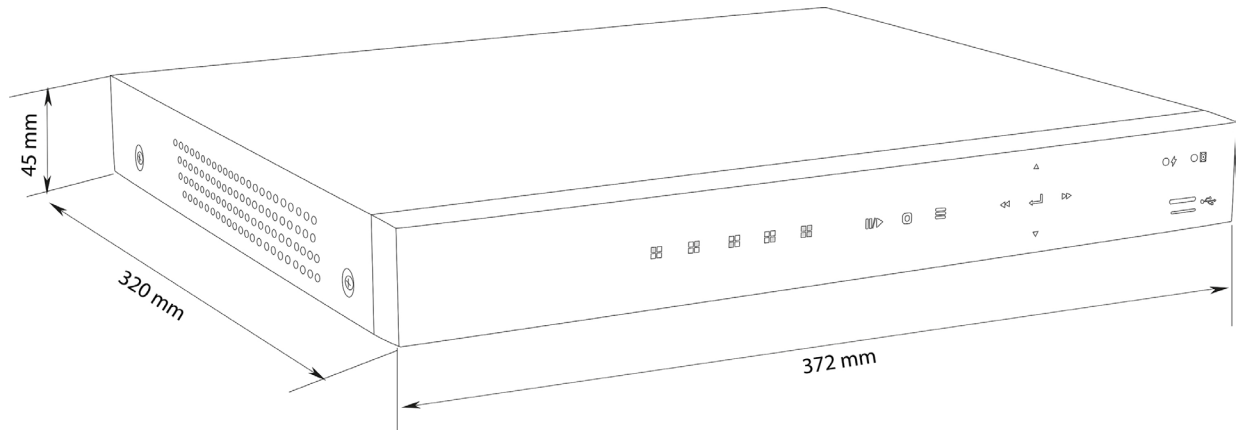| **IP**	**4K**		**H.265**			**CMS**	
16 PoE Channels	8 MP Resolution	2 HDDs up to 8TB each	H.265 Compression	16 Alarm Inputs 1 Alarm Output	Intelligent Video Analytics	CMS Mac/PC	Apps for Android and iOS

Product information

The Balter BNR-1116PII network video recorder is the powerful surveillance solution with 16 PoE-channels for cameras up to 8MP (4K UHD). Thanks to an integrated PoE switch, one cable per camera transmits both power and data, eliminating the need for additional power cables. This greatly eases installation and improves reliability. Recordings are compressed using cutting-edge H.265 technology, saving up to 50% of storage space while preserving superb image quality of high resolution 4K cameras. 2 HDDs up to 8TB can be installed to provide ample disk space for high resolution 4K video. The cameras' live videos, as well as all recorded footage, can be streamed to your Android or iOS device using the iSmartVideo app. Coupling the recorder and the app is quick and easy - simply scan the QR code on the top of the recorder and you're ready to go. The easy to use webclient gives users access to their recorder via webbrowser without the need to install additional software.

BNR-1116PII

- 16 IP PoE Video Channels up to 8MP (4K) Resolution
- H.265 / H.264 Compression Method
- 280Mbit Incoming and 120Mbit Outgoing Bandwidth
- Supports up to 2 HDDs, up to 8TB each
- Search for Video Analysis Events
- Supports TripleStream, Apps for Andoid and iOS
- Privacy Masking, Cloud, FTP-Upload, Email
- Timelimit-Recording (e.g. 1 Day, 10 Days)
- Bidirectional Audio Transmission
- Balter P2P, Webclient for PC and Mac
- Multi-Protocol Support for PTZ Cameras
- 16 Alarm Inputs, 1 Alarm Output
- CMS and WebClient for PC and MAC
- 48V DC Input Voltage (max. 15 Watt, without HDDs and PoE)

Specifications BNR-1116PII

45 mm
320 mm
372 mm

IP

16 PoE Channels

Up to 16 IP cameras with up to 8MP each can be connected to capture video in an astonishing resolution of up to 3840 × 2160 pixels. Thanks to PoE technology, one cable per camera is enough to transmit both data and power, greatly easing installation and improving reliability.

Up to 16TB storage

The recorder offers space for 2 HDDs up to 8TB each. This provides ample disk space even for the large files produced by high resolution 4K cameras.

Motion Detection

Save additional space on your HDD by recording video only when a motion is detected. The integrated software recognizes moving objects and persons, and can start recording automatically.

Alarm Inputs and Output

Four alarm inputs and one output make the BNR-1104PII the control hub of your personal security system. External devices like sirens, gates and external motion detectors can be connected and triggered controlled by the recorder

Audio Support

Thanks to the integrated audio output, loudspeakers can be connected to the recorder. When using a camera with an integrated microphone, visual monitoring is supplemented with sound, preserving important information that would be lost otherwise.

iSmartVideo App for iOS & Android

View your cameras' live feeds, search saved recordings and be notified of any occurrences while on the move: The iSmartVideo app for your iOS and Android devices connects to the BNR-1104PII via P2P and keeps you up to date wherever you are.

H.265 Compression

This cutting edge compression algorithm reduces file size by up to 50% while maintaining the best possible image quality.

E-Mail Notifications

In case of an alarm, you will be notified immediately via email, complete with an image of what is happening. This way you can react promptly to any event and initiate further steps, if necessary.

Balter P2P

Balter P2P makes connecting your recorder to other devices (like your smartphone with the iSmartVideo app or the webclient) a breeze. Enjoy a stable and direct connection without worrying about the configuration of servers or DynDNS

Search for Video Analysis Events

Find the Video Analysis Events captured by your Balter IP camera quickly. BNR-1104PII works together seamlessly with Balter IP cameras, saving you time and effort by evaluating footage using advanced algorithms.

Recorder Type	NVR
IP Channels	16
IP Channels with PoE	16
Maximum Resolution	3840 × 2160p
Live	MainStream: 1 camera with 8.0MP
Compression Method	H.265 / H.264
Recording Mode	Continuous, Manual, Motion, Occurrence, Schedule, Alarm, Video Analysis
Search for Intelligent Video Analytics Events	Line Crossing, Intrusion Detection, Lost and Found Objects.
Overwriting Mode	Continuous, TIme Limit (e.g. 1 or 2 Weeks / Days)
Prealarm / Afteralarm	Up to 30 Seconds
Search Modes	Date/Time, Motion, Alert, Occurrence, Calendar, Video Analysis
Playback Functions	Quick Playback, Timebar, Intelligent Video Analysis, Alerts, Back, Forward.
Synchronous Playback (Monitor)	2 Channel @ 8.0MP, 16 Channels @ 1080p
Synchronous Playback (Network)	16 Channels @ 8.0MP
Playback Resolutions	8.0MP / 5.0MP / 3.0MP / 1080p / 720p / VGA / D1 / 4CIF / QVGA / QCIF
Bandwidth	280Mbit incoming, 120Mbit outgoing
Bandwidth Control	Auto, Manual (MainStream, SubStream und MobileStream)
Network Streamtype	Video, Video and Audio
Network Stream	Network (PC and Macintosh), iOS and Android Apps
Network Protocols	P2P, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF
Surveillance via Network	Balter CMS Software for PC / MAC, Web-Sever (WebViewer), iOS / Android Apps
Maximum Storage Capacity	Max. 16TB (2x HDD)
RAID	RAID 2
USB Ports	3x USB (USB 3.0 for Back-up, USB 2.0 for Control via Mouse)
Back-up Format	AVI, JPEG, proprietary Format / JPEG
Password Protection	Multiple User Levels
Email	For predefined Occurrences with JPG-Delivery
Push-Notifications	On / Off for iOS and Android iSmartVideo Apps
Alarm Functions	Sabotage, Video Loss, Motion, Audio Alarm
Privacy Masking	Hide Cameras, Hide Areas
VGA Output	1920 x 1080p to 1024 x 768p
HDMI Output	3840 x 2160p (4K UHD) to 1024 x 768p
Video Bitrate	32Kbps to 10Mbps
Audio Outputs	1× RCA, linear, 1KOhm, G.711u
Audio Bitrate	64Kbps
Alarm Inputs / Outputs	16 Inputs, 1 Output
Alarm - Mobile Controls	Via Balter iSmartVideo iOS and Android Apps
Alarm - Remote Notification	Via Email with JPEG Image
Ethernet Connection	RJ-45 (10M/100M/1000M)
PTZ Controls	LAN + RS-485
USB	USB 2.0 + USB 3.0
Other Functions	FTP-Upload, Privacy Masking, Mouse, Remote Control
Languages	English, German, Russian
iOS and Android Apps	iSmartVideo
Peer-2-Peer	Yes, Balter P2P with QR-Code
WebViewer	Internet Explorer (PC), Firefox (PC) and Apple Safari (Mac OS)
PTZ Protocols	Balter, Pelco P, Pelco D and others
PTZ-Funtions	Pan/Tilt/Zoom-Controls (PTZ), Presets, Tours and OSD-controls with IP Cameras
Power Supply	48V DC
Power Usage	Max. 15 Watt, without HDD and PoE
Operating Temperature / Humidity	-10° to +55°C / 10% to 90% (non-condensing)
Dimensions	372 (B) x 45 (H) x 320 (T) mm
Weight	2.4Kg

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