

Eventys EX16

Network Video Recorder

VANDERBILT

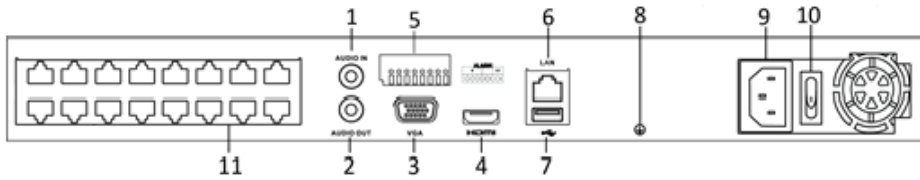


Eventys EX16 NVR, CRDN1610-PA

Eventys EX series NVR (Network Video Recorder) is a new generation of cost-efficient but technical high-grade recorder. Combined with multiple advanced technologies, such as audio and video decoding technology, embedded system technology, storage technology, network technology, intelligent VCA technology, integrated PoE switch and Alarm I/O. Eventys EX NVR supports recording of up to 16 IP video streams of up to 8 MP (4K / UHD) resolution. The integrated 16 channel PoE switch allows direct connection of PoE capable IP cameras without additional power supplies. The Eventys EX series NVR is suitable in the areas of small up to medium stand-alone installations.

Key Features include:

- H.264 based NVR
- Supports H.265 / H.264+ / H.264 / MPEG4 video formats
- Connectable to the third-party network cameras like ACTI, Arecont, AXIS, Bosch, Brickcom, Canon, ONVIF, PANASONIC, Pelco, PSIA, SAMSUNG, SANYO, SONY, Vanderbilt, Vivotek and ZAVIO
- 16 network cameras (same or different models) can be connected
- Support live view, storage, and playback of the connected camera with up to the resolution of 8 megapixels
- Simultaneous Live & Playback, Eventys EX16 with 2x4K or 8x1080p or 16x720p
- HDMI with up to 4K output and VGA output at up to 1920x1080 resolution
- New GUI and support starting record with one key
- Multiple recording types: manual, continuous, alarm, motion, motion alarm, motion & alarm
- Realize instant playback for assigned channel during multi-channel display mode
- Customization of tags, searching, and playing back by tags
- Playback by sub-periods
- Locking and unlocking record files
- Support HDD quota mode; different capacity can be assigned to different channel
- Up to 2 SATA hard disks can be connected with up to 6 TB capacity for each
- 1 self-adaptive 10M/100M/1000M network interface is provided
- 16 independent PoE network interfaces are built-in
- Support DDNS (Dynamic Domain Name System)
- Support network detection, including network delay, packet loss, etc.
- Support enabling H.264+ intelligent encoding to ensure high video quality with lowered bitrate
- Support of 31 languages for the GUI of the Eventys EX NVR



Legend

- 1 Audio In
- 2 Audio Out
- 3 VGA Interface
- 4 HDMI interface
- 5 Alarm I/O
- 6 LAN Network Interface
- 7 USB 3.0 Interface
- 8 Ground
- 9 Power Supply
- 10 Power Switch
- 11 Network Interfaces with PoE Function

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Functionalities

■ Remote access

Various network interfaces, e.g. Ethernet or DSL, allow remote access to the system. Monitoring of live images, playback of recorded video sequences, remote configuration and upgrade, system check are possible via RAS software. Remote monitoring and playback are possible via a standard Web browser. "Guarding Expert HD" APP-Software allows remote access for live viewing from iOS / Android-based Smartphones/PDAs.

■ Storing and playback of video sequences

Video sequences can be copied to an external USB device. For the playback of the video sequences on a PC, no additional software is required.

■ Secure images

Encryption code "Chained Fingerprint" enabling a solid chain of evidence prevents the images from being altered or modified.

■ Full support of 1080p and HDMI

Recording with max. resolution of 8 MP is supported. 4K via HDMI connection with a suitable 4K monitor shows excellent and brilliant 4 / 9 split View Live mode of operation with up to 4x or 9 x 1080p video quality.

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Technical data

Monitoring

IP video inputs	Eventys EX16 = 16ch
Monitor outputs	1x HDMI: 4K (3840x2160), 2K (2560x1440), 1920x1080, 1600x1200, 1280x1024, 1280x720, 1024x768 1x VGA: 1920x1080, 1600x1200, 1280x1024, 1280x720, 1024x768

Network

Incoming bandwidth	160 Mbps
Outgoing bandwidth	160 Mbps
Remote connection	max. 128

Recording

Compression	H.264 technology (video) , H.265 and H.264+ are supported
Recording speed (ips = images per second)	Main stream: 50 fps // Sub stream: 50 fps Eventys EX16: 16x 1080p @30ips (max.)
Recording resolution	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Recording mode	Time-Lapse, Event, Pre-Event (up to 30 min), Text-In, Panic

Live Display

Display (parallel to active recording)	2ch @4K or 8ch @1080p or 16ch @720p
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Recording Playback

Playback speed (images per second)	up to 16x 1080p @ up to 30ips (timewise synchronized)
Search mode	Date/Time, Calendar, Event, Motion, Record Table, Smart search of selected areas, VCA, Tag

Inputs/Outputs

Audio inputs	Two way audio, 1 line in, RCA (2.0 Vp-p, 1kΩ)
Audio output	1 line out, level RCA
Alarm inputs / outputs	4x Alarm In / 1x Alarm Out
Network	1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface
Auxiliary inputs/outputs	Front: 1x USB 2.0 and Rear: 1x USB 3.0
Interfaces	Power switch-off button, optical mouse (USB)
User administration	32 users

System

Operating system	Embedded Linux Version
Supported GUI languages	English, German, French, Italian, Spanish, Swedish, Russian, Danish, Finnish, Dutch, Norwegian, Polish, Portuguese, Czech, Turkish, Hungarian, Greek, Slovene, Estonian, Vietnamese, Romanian, Slavonian, Serbian, Croatian, Chinese trad., and several other languages (31 in total)
Primary Storage	2x SATA HDD 3.5" (max. capacity 6 TB / HDD) Recommended hard drives can be seen in a separate document

Note: there is **NO HDD** included in the device by delivery out of stock

Secondary Storage	Backup recording media → USB (hard disk drive, flash memory) eSATA is not supported
PoE	
Interface	16 independent 100 Mbps PoE network interfaces
Max. Power	≤ 200 W
Supported standard	PoE (802.3af & 802.3at)
Specifications	
Power requirements	100 – 240V AC, 50/60 Hz, internal PSU
Power consumption	≤ 240 W (with 2x hard disk and 16x PoE)
Ambient temperature, operating	-10 °C ~ +55 °C
Relative humidity	10 – 90 %, no condensation
Chassis	19-inch rack mounted, 1U chassis
Dimensions (W x H x D)	385 x 315 x 52 mm
Net Weight (w/o hard disk, no package)	~ 0,8 kg
Approvals	CE (UL & FCC in preparation)
Contents of included CD	<p>Eventys RAS software module for usage with Eventys EX NVR systems:</p> <ul style="list-style-type: none"> ➤ Live images of up to 64 cameras in total (recommended value) ➤ Playback of up to 64 recording channels (max. value, not simultaneous) ➤ Configuration of connected DVRs and cameras ➤ PTZ control and managing of events <p>Browser application Web Client to operate in the same manner as with Eventys RAS “Guarding Expert HD” APP is available via Apple APP store or Google Play store Recommended Client PC for the software applications:</p> <ul style="list-style-type: none"> ➤ Intel based Standard PC (multi core CPU i5 or i7) ➤ 4 GB RAM or more, 500 GB hard disk or more ➤ VGA : Full HD support, HDMI or Display Port interface ➤ Windows 8.x or Windows 10

Details for ordering (Eventys EX NVR range)

Type	Part no	Description	Weight*
Eventys EX4	V54569-C112-A100	CRDN0410-PA NVR, 0TB, 100ips, 4 ch.	1,6 kg
Eventys EX8	V54569-C113-A100	CRDN0810-PA NVR, 0TB, 200ips, 8 ch.	1,8 kg
Eventys EX16	V54569-C114-A100	CRDN1610-PA NVR, 0TB, 400ips, 16 ch.	< 3 kg
Accessories out of the CCTV portfolio			
Vectis iX HDD-2TB	V54569-B103-A200	Vectis iX HDD-2TB, SATA, 3.5"	1,5 kg
Vectis iX HDD-3TB	V54569-B103-A300	Vectis iX HDD-3TB, SATA, 3.5"	1,5 kg
Vectis iX HDD-4TB	V54569-B103-A400	Vectis iX HDD-4TB, SATA, 3.5"	1,5 kg
Vectis iX HDD-6TB	V54569-B103-A500	Vectis iX HDD-6TB, SATA, 3.5"	1,5 kg

* Device incl. packing material, documentation and accessories that are included in the delivery

