

# Eventys AX4 / AX8 / AX16

Analogue Digital Video Recorder

**VANDERBILT**

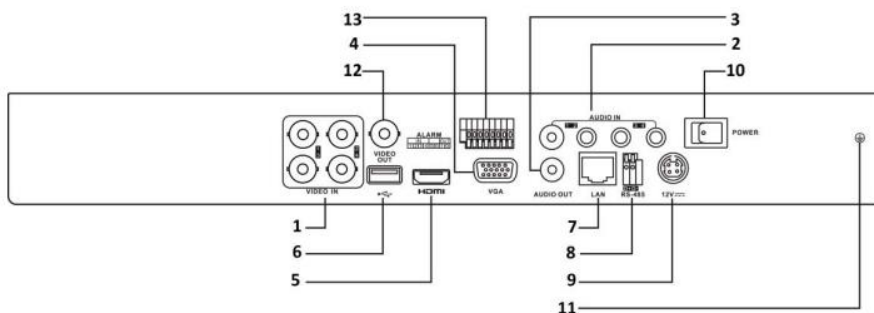


**Eventys AX4, CRDA0410-TA**  
**Eventys AX8, CRDA0810-TA**  
**Eventys AX16, CRDA1610-TA**

Eventys AX series analogue DVR (Digital Video Recorder) is a new generation of high-grade recorder. Combining all the advantages of analogue digital video surveillance in a single compact unit, Eventys AX can record up to 16 cameras almost anywhere. With HD-TVI (High Definition Transport Video Interface) support and 2 X IP camera inputs, it offers the user control and flexibility. Eventys AX is cost efficient, easy to install, and simple to operate.

## Key Features include:

- H.264 based analogue DVR
- Connectable to HD-TVI, AHD (Analogue High Definition), and analogue cameras FBAS (PAL, NTSC)
- Full channel HD recording at up to 3 MP resolution
- 2 network cameras with max. 4 MP resolution can be connected
- Long distance transmission over UTP (Unshielded Twisted Pair) and coaxial cable
- Supports live view, storage, and playback of the connected camera with a resolution of up to 3 megapixels
- Live view and Playback available simultaneously
- Simultaneous HDMI (High Definition Media Interface) and VGA (Video Graphics Array) outputs of up to 1920x1080 resolution
- HDMI with max. 4K resolution for Eventys AX8 / AX16 DVR
- Multiple recording types: manual, continuous, alarm, motion, motion alarm, motion & alarm
- Instant playback for assigned channel during multi-channel display mode
- Customization available for tags, searching, and playing back by tags
- Playback by sub-periods
- Locking and unlocking record files
- Supports HDD (Hard Disk Drive) quota mode: A different capacity can be assigned to different channels
- Up to 2 SATA (Serial AT Attachment) hard disks can be connected with up to 6 TB capacity for each
- 1 self-adaptive 10M/100M/1000M network interface is provided for Eventys AX8 / AX16 DVR
- Supports DDNS (Dynamic Domain Name System)
- Supports network detection, including network delay, packet loss, etc.
- Supports use of Eventys H.264+ intelligent encoding to ensure high video quality with lowered bitrate
- Support of 25 languages for the GUI (Graphical User Interface) of the Eventys AX DVR



Eventys AX4 DVR, CRDA0410-TA

[Eventys AX8 DVR with 8x BNC and Eventys AX16 DVR with 16x BNC]

#### Legend

- |    |                              |
|----|------------------------------|
| 1  | Video In (4x / 8x / 16x BNC) |
| 2  | Audio In                     |
| 3  | Audio Out                    |
| 4  | VGA Interface                |
| 5  | HDMI interface               |
| 6  | USB Interface                |
| 7  | LAN Network Interface        |
| 8  | RS-485 Interface             |
| 9  | Power Supply Connector       |
| 10 | Power Switch                 |
| 11 | Ground                       |
| 12 | Video Out (1x BNC)           |
| 13 | Alarm In / Out               |

## Functionalities

### ■ Remote access

All Eventys AX models include license-free remote administration software (RAS) to retrieve and view images from remote workstations (Two-way audio functionality is also available via RAS).

Eventys AX models can be remotely accessed via a standard Web browser or the Guarding Expert APP (supports iOS and Android Smartphones/ iPad/ Tablet PCs). This offers remote access for live viewing while on the move.

### ■ Storing and playback of video sequences

Eventys AX can store video images on its internal hard drive and archive data to USB memory sticks and external hard drives.

### ■ Secure images

Encryption code “Chained Fingerprint” enables a solid chain of custody that prevents the images from being altered or modified.

### ■ Full support of 4K and 1080p

Eventys AX DVR devices support a main monitor up to 4K HD resolution (AX8 / AX16 DVR) and 1080p via HDMI or 1080p via VGA.

## Technical data

<b>Monitoring</b>	
Signal Format	PAL or NTSC (auto detection, no mixture of signal format by separate cameras are allowed)
Video inputs	Composite: <b>Eventys AX4:</b> 4ch BNC, 1 Vp-p, 75 Ohms (PAL / NTSC) <b>Eventys AX8:</b> 8ch BNC, 1 Vp-p, 75 Ohms (PAL / NTSC) <b>Eventys AX16:</b> 16ch BNC, 1 Vp-p, 75 Ohms (PAL / NTSC)  HD-TVI: at BNC: 3MP, 1080p@25Hz, 1080p@30Hz, 720p@60Hz, 720p@50Hz, 720p@30Hz, 720p@25Hz AHD: at BNC: 720p@30Hz, 720p@25Hz IP: at RJ45: 2ch, up to 4MP resolution
Monitor outputs	<b>Eventys AX8 / AX16:</b> 1 HDMI: 4K (3840x2160)@30Hz, 2K (2560x1440)@60Hz, 1920x1080@60Hz, 1440x900@60Hz, 1280x1024@60Hz <b>Eventys AX4:</b> 1 HDMI: 1920x1080@60Hz, 1440x900@60Hz, 1280x1024@60Hz <b>Eventys AX4 / AX8 / AX16:</b> 1 VGA: 1920x1080@60Hz, 1440x900@60Hz, 1280x1024@60Hz, 1024x768@60Hz 1 Composite (SPOT): 720x576 (PAL) or 720x480 (NTSC)
<b>Recording</b>	
Compression	Eventys H.264+ and Standard H.264 technology (video) / G.711u (audio)
Recording speed (fps = frames per second)	Real-time: <b>Eventys AX4:</b> up to 100 fps @D1 (PAL), up to 120 fps @D1 (NTSC) <b>Eventys AX8:</b> up to 200 fps @D1 (PAL), up to 240 fps @D1 (NTSC) <b>Eventys AX16:</b> up to 400 fps @D1 (PAL), up to 480 fps @D1 (NTSC)  960H: max. 100/200/400 fps @960H (960 x 576, PAL) with basic quality max. 120/240/480 fps @960H (960 x 480, NTSC) with basic quality  3MP: max 15 fps
Recording resolution	3MP@15ips, 1080p/720p/WD1/4CIF/VGA/CIF
Recording frame rate	Main stream: 25fps (PAL) or 30fps (NTSC) Sub stream: WD1/4CIF@12ips (no real-time), CIF/QVGA/QCIF@25ips (real-time)
<b>Playback</b>	
Synchronous playback	<b>Eventys AX4:</b> 4channels, <b>Eventys AX8:</b> 8 channels, <b>Eventys AX16:</b> 16 channels
<b>Inputs/Outputs</b>	
Audio inputs	4 line in, level RCA (2.0 Vp-p, 1kΩ), 1ch “two-way-audio” is supported
Audio output	1 line out, level RCA (linear, 1kΩ)
Alarm inputs	4/8/16 TTL (NC or NO), 2.4 V (NC) or 0.3 V (NO) threshold, 5 V DC
Alarm outputs	1/4/4 relay outputs, terminal blocks, programmable as NC or NO, 2 A @125 V AC, 1 A @30 V DC
Network	<b>Eventys AX4:</b> 1x 10/100 Mbps, Ethernet RJ-45 <b>Eventys AX8/AX16:</b> 1x 10/100 Mbps, 1Gbps Ethernet RJ-45
USB interfaces	<b>Eventys AX4:</b> 1x USB2.0 (Front panel), 1x USB2.0 (Rear panel) <b>Eventys AX8/AX16:</b> 1x USB2.0 (Front panel), 1x USB3.0 (Rear panel)
Auxiliary interface	1x RS485 serial interface
Interfaces	Front buttons, optical USB mouse, IR controller (Mouse and controller are included)
Remote access	Max. 128

<b>System</b>	
Operating system	Embedded Linux Version 3.x
Supported GUI languages	English, German, French, Italian, Spanish, Swedish, Russian Bulgarian, Danish, Finnish, Dutch, Norwegian, Polish, Portuguese, Czech, Turkish, Hungarian, Greek, Slovene, Estonian, Romanian, Slavonian, Serbian, Croatian and Arabic
Primary Storage	2x SATA HDD 3.5" (max. capacity 6 TB / HDD) Recommended hard drives can be seen in a separate document  <u>Note:</u> there is <b>NO HDD</b> included in the device as delivered.
Secondary Storage	- Backup recording media → USB (hard disk drive, flash memory) - eSATA is not supported
<b>Specifications</b>	
Power requirements	12VDC, external PSU, part of the delivery package
Power consumption (without internal HDD)	<b>Eventys AX4:</b> ≤ 15 W <b>Eventys AX8:</b> ≤ 20 W <b>Eventys AX16:</b> ≤ 20 W
Ambient temperature, operating	-10 °C ~ +55 °C
Relative humidity	10 – 90 %, no condensation
Version	19-inch rack (mounting material included), 1 HU (Height Units)
Dimensions (W x H x D)	380 x 320 x 48 mm
Approvals	CE
Contents of included CD	Eventys RAS software module for usage with Eventys AX DVR systems: <ul style="list-style-type: none"> <li>➤ Live images of up to 64 cameras in total (recommended value)</li> <li>➤ Playback of up to 64 recording channels (max. value, not simultaneous)</li> <li>➤ Configuration of connected DVRs and cameras</li> <li>➤ PTZ control and managing of events</li> </ul> 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: <ul style="list-style-type: none"> <li>➤ Intel based Standard PC (multi core CPU i5 or i7)</li> <li>➤ 4 GB RAM or more, 500 GB hard disk or more</li> <li>➤ VGA: Full HD support, HDMI or Display Port interface</li> </ul> Minimum Windows 8.x or Windows 10

## Details for ordering

Type	Part no	Description	Weight*
Eventys AX4 DVR	V54569-C117-A100	CRDA0410-TA 4 Channel Analogue DVR, Alarm	1,4 kg
Eventys AX8 DVR	V54569-C118-A100	CRDA0810-TA 8 Channel Analogue DVR, Alarm	1,9 kg
Eventys AX16 DVR	V54569-C119-A100	CRDA1610-TA 16 Channel Analogue DVR, Alarm	1,9 kg

### Accessories out of the Video portfolio

Eventys 1TB HDD	V54569-B104-A100	CAH3501-AXEX Eventys 1TB HDD	1,5 kg
Eventys 2TB HDD	V54569-B104-A200	CAH3502-AXEX Eventys 2TB HDD	1,5 kg
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-A600	Vectis iX HDD-6TB, SATA, 3.5"	1,5 kg

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

