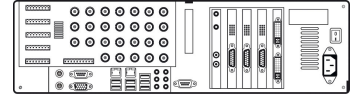


DVS 1600



The DVS 1600 is a stand-alone audio video recorder with up to 16 recording channels of which 16 can be activated as analysis channels for video analysis.

The activation of video analyses is made depending on the required SEDOR® applications 'Intruder' and 'Art'.

- Up to 16 analogue video channels
- Activation of video analyses for different SEDOR® applications for up to 16 channels
- PentaplexPlus functionality: simultaneous real-time recording, streaming, live display, playback and remote access
- Recording compression: H.264
- Audio compression: G.722
- Bit rate up to 2 Mbps with analogue cameras
- Resolution up to 4CIF and frame rate per channel of up to 12 fps at 4CIF
- Variable recording mode (VRM) : event-driven switching of the recording quality
- Evaluation with SeMSy® or PView 7 via Ethernet
- Integrated management software PView 7 Light
- Integrated SmartFinder, Privacy Zones, motion detection and SEDOR® camera sabotage protection
- Integrated live browser access and UTC compatibility
- Easy-Change functionality in case of HDD failure
- Linux operating system on Flash memory
- DIN EN 50130-4 compliant

Variants		Options		Licenses	
Item number		Item number		Item number	
830.001.000.008	DVS 1600 without HDDs 8x analogue video encoder channels	000.194	19" bracket for a 3HU single device	004.010.2.FS	Activation of additional 2 analogue channels
830.001.000.016	DVS 1600 without HDDs 16x analogue video encoder channels	180.900	VdS installation kit Mounting kit and protective cover for the connections, (without 19" bracket)	100.102.FS	D/N-RC - Day/Night Remote Control
		200.128FS	Internal RAID 1 2x HDDs with the same capacity required (only ex factory)	200.118FS	PView / PRemote live split recording
		200.518.1	PRemote Ethernet I/O Device With a 2-port Ethernet switch, 6 DIs, 6DOs and 6 relays Please note: Only in connection with activation 800.030.001.FS (activation I/O software interface)	200.119FS	Voice Talk - bidirectional audio, PRemote required
		100.030	FC interface (fibre optic) for connecting DAS-600 (see storage systems) only ex factory	200.120FS	Dual Stream
		100.090	SATA interface for connecting DAS-4 Eco (see storage systems) only ex factory	200.141FS	PRemote HD (DMS, DMX, DLS, DVS) - Available as of May 2011.
		200.210.1	RS485 kit for the direct control of Dallmeier PTZ dome cameras at the recorder -DCCP activation included- (only ex factory)	200.202FS.4	DVR4 EBÜS standard image transmission
		129.303	VSC-1 (Video System Controller) for the control of cameras at the recorder	200.234FS	VNC server
		200.325	DFM-1-USB radio clock unit Radio clock unit on USB (up software version: V5.1.X)	800.005.001.FS	Activation of analysis channels of the SEDOR® 'Intruder' application
		100.034	DNI-1 basis set Connection of an external data interface (such as ATM, access control, cash register, etc.)	800.006.001.FS	Activation of SEDOR® 'Art' application
		100.035	DNI-1/E expansion module	800.030.001.FS	SEDOR® Event Matrix: I/O software interface

Technical specifications

Standard / max. video channels	8x / 16x analogue video channels
Supported cameras (recording)	Analogue cameras of Dallmeier and of third party
Supported cameras (analysis)	Analogue cameras of Dallmeier and of third party
Video/audio compression	H.264 / G.722.1
Operating mode	PentaplexPlus: recording, streaming, live display, playback, remote access
Split display	1, 4, 9, 13, 16
Display resolution	4CIF, DCIF, 2CIF, CIF, QCIF
Recording resolution	SD
Recording mode	Permanent, motion, event-driven, variable recording mode (VRM)
Frame rate per analogue channel	Up to 12 fps at 4CIF Up to 16 fps at DCIF Up to 16 fps at 2CIF Up to 25 fps at CIF Up to 25 fps at QCIF

Integrated / optional functions

Management software	PView 7 Light
Configuration software	DMS NetConfig, SEDOR® Web-GUI
SNMP	Integrated
UTC control	Integrated
Privacy Zones	Integrated
Motion detection	Integrated
SEDOR® camera sabotage protection	Integrated
Dual Stream	Optional activation
SmartFinder	Integrated
Audio for all channels	Integrated
Track modes	Standard, automatic, manual
D/N-RC (Day/Night Remote Control)	Optional activation
Activation additional video channels	Up to 16 analogue video channels
Activation analysis channels 'Intruder'	Up to 16 analysis channels
Activation analysis channels 'Art'	Up to 16 analysis channels

Interfaces

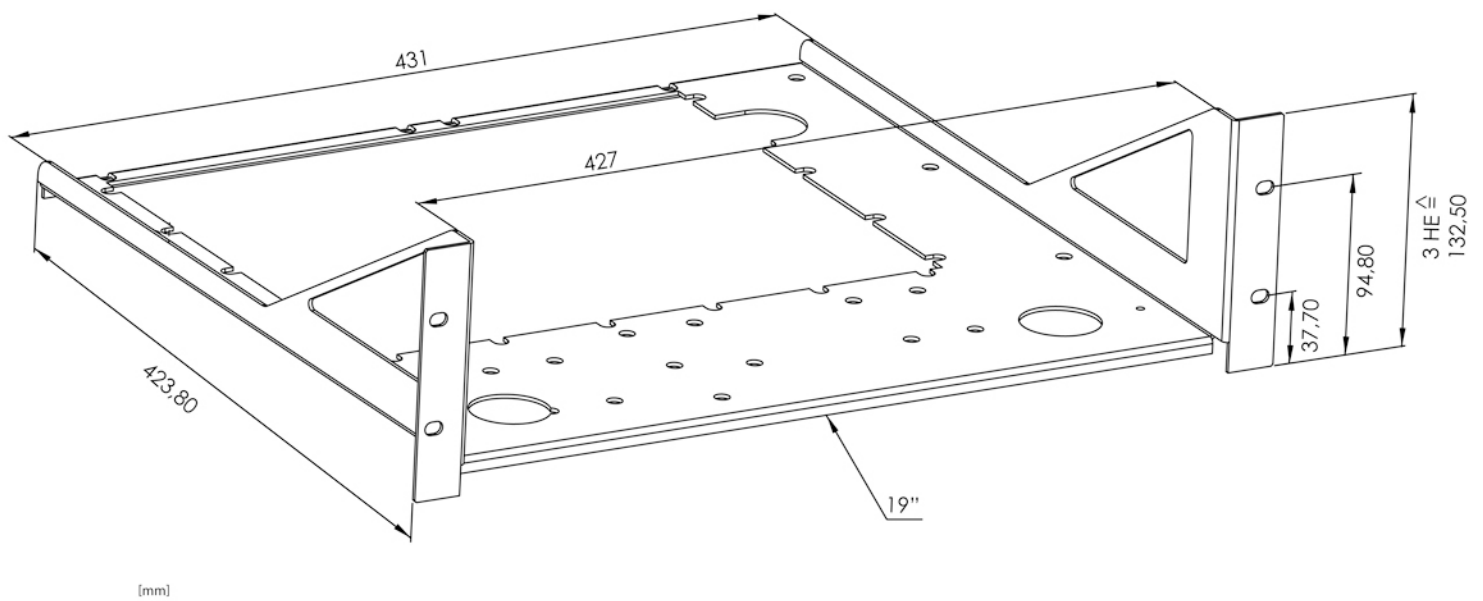
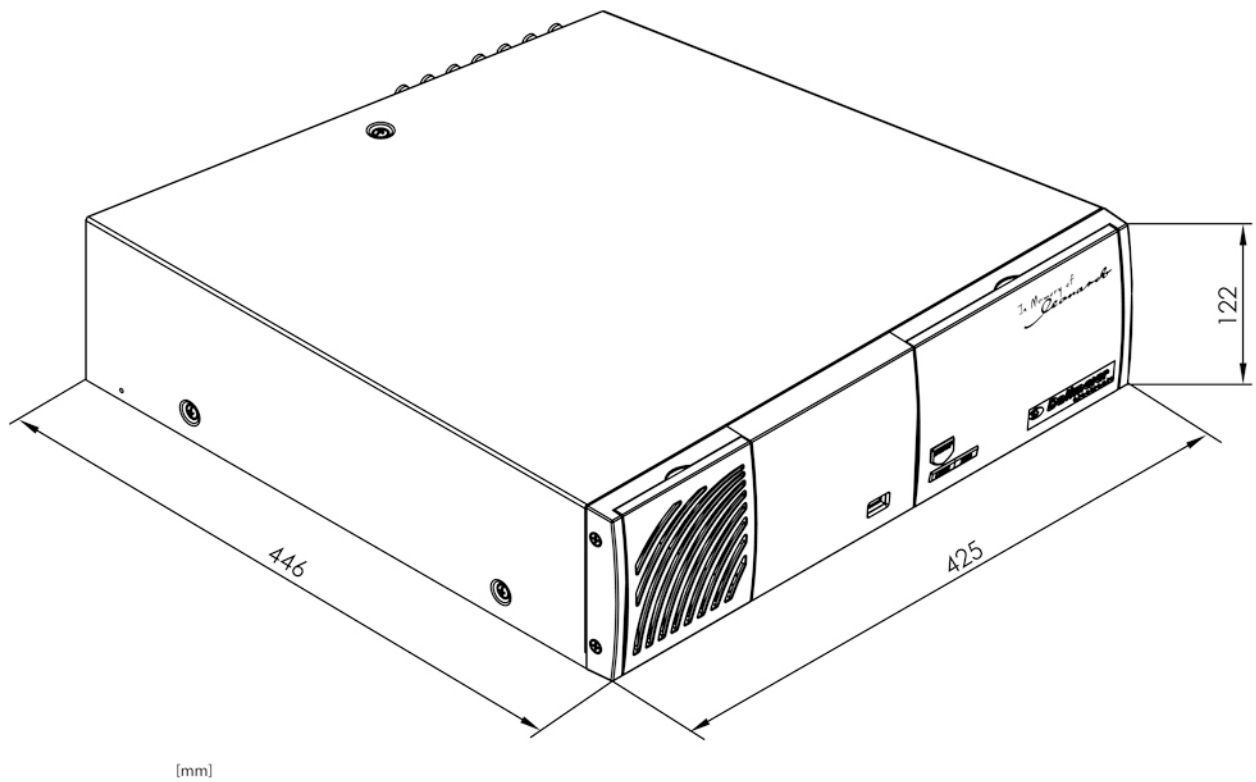
Camera inputs	16x CVBS/BNC, loop-through
Video outputs	4x CVBS/BNC loop-through, 1x VGA, 1x DVI-I
Aux-Line IN/Mic IN/Audio OUT	1x 3.5 mm phone jack / 1x 3.5 mm phone jack / 1x 3.5 mm phone jack
Audio inputs	16x
Ethernet	1x RJ45, 10/100/1000 Mbps
Ethernet protocols	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP
Contact IN / relay OUT	30x, each 4 functions / 5x, configurable as NO or NC
Serial / parallel / USB / PS/2	2x RS232, 1x RS485 (optional) / 1x IEEE 1284 / 7x USB 2.0 / mouse, keyboard

Further specifications

Exchangeable hard disks	Up to 2x 3.5" (optional)
Max. storage capacity	Up to 4 TB
Voltage supply	110/230V AC +/- 10% (50/60 Hz)
Power consumption	Max. 200 W
Heat power	Max. 684 BTU/h
Dimensions (W x H x D)	Approx. 425 x 133 (3HU) x 445 mm
Operating temperature	5° - 25° C, 20° - 25° C recommended
Humidity	5 - 70% RH non-condensing
Atmospheric load	Dust-free
Weight	10 - 12 kg
Fan	3x with automatic speed adaptation
Operating system	Linux
Languages recorder	German, English, French, Spanish (others on request)
Languages SEDOR® Web-GUI	German, English (others on request)
Approvals/certifications	CE, FCC, ACA, CB, Kalagate, DIN EN 50130-4
VdS certification	Only if ordering VdS-Mounting-Kit

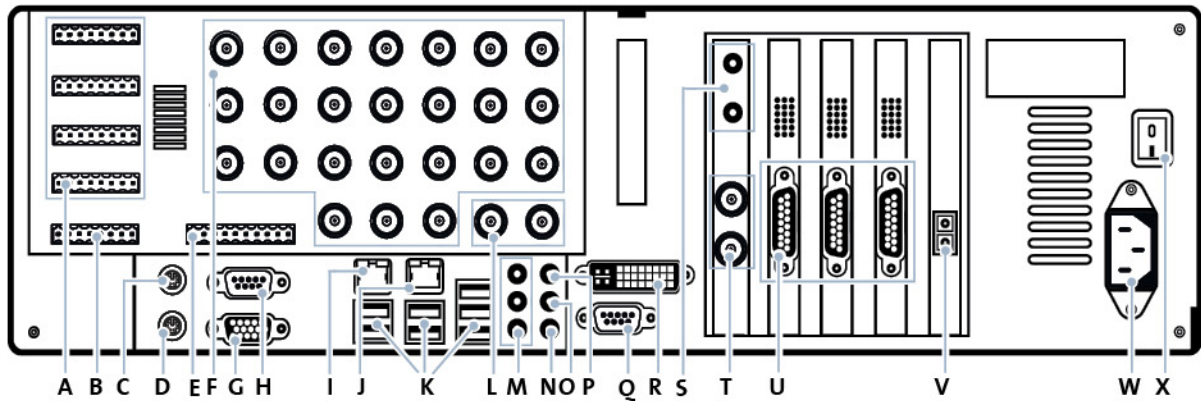
DVS 1600

Technical drawings



Technical drawings

The number of the connections can differ depending on the ordered equipment or device variant. The following description refers to a device with full equipment and optional connectors.



A Contact IN cameras (1-6/7-12/13-18/19-24)

4x Weidmüller, 8 pins

B Contact IN global (1-6)

Weidmüller, 8 pins

C Mouse

PS/2, green

D Keyboard

PS/2, purple

E Relais OUT (1-5)

Weidmüller, 10 Pins

F Video IN (1-24)

BNC, 75 Ohm, 1 Vpp, with loop-through, CVBS

G Video OUT VGA

Mini-D-SUB, 15-pole, VGA, 1024 x 768 (video and configuration)

H Serial interface COM 1

D-SUB, 9 pins, RS232

I RJ45

Not active

J Ethernet interface

RJ45, 10/100/1000 Mbps

K USB interface

7x USB 2.0, type A

L Video OUT (1-2)

BNC, 75 Ohm, 1 Vpp, CVBS (only video, no configuration)

M 3,5 mm phone jack

3x, not active

N Microphone IN

3,5 mm phone socket, red, 4,3 kOhm, 2.828 Vpp (for intercom)

O Audio OUT

3,5 mm phone socket, green, 1 kOhm, 2.828 Vpp (for live, playback, intercom)

P AUX / Line IN

3,5 mm phone socket, blue, 16 kOhm, 2.828 Vpp (for intercom)

Q Serial interface COM 2

D-SUB, 9 pins, RS232

R Video OUT DVI

Dual-Link (24 + 5), DVI-I, 2560 x 1600 (not suitable for VGA adapter)

S 3,5 mm phone jack

2x, not active

T Video OUT (3-4)

BNC, 75 Ohm, 1 Vpp, CVBS (same signal as Video OUT 1 and 2 (L))

U Audio IN (1-8/9-16/17-24)

D-SUB, 15-pole, 1 kOhm, 2.828 Vpp (for D-SUB/Cinch adapter cable)

V FC interface

SFP connector for LC cable, fiber channel, 4 Gbps (for Dallmeier DAS 600 only)

W Mains connection

IEC C14 socket, 110 / 230V AC + / - 10%, 50 / 60 Hz

X Mains switch