

8-channel TV Wall Decoder

Art.-Nr. TVAC26110

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The TV Wall Decoder is a network component providing a flexible display of video sources across several monitors. This eight-channel decoder makes it possible to display up to 64 video streams simultaneously across eight monitors.

Functional principle and connection options

The device and the display of the image views on the monitors are controlled from one computer via ABUS CMS (Central Monitor Station software) and the network. The video streams from the signal sources (ABUS embedded recorder: DVR/NVR) are swiftly and losslessly fed into the decoder via the built-in gigabit interface. This distributes the streams to eight conventional monitors, each of which is connected to a DVI-I output (a compatible HDMI adapter is included in the scope of delivery for each output). Once set up, the image display on the video wall runs with an ABUS embedded recorder as the video source, even while the ABUS CMS or PC are switched off.

8 mega pixels and full HD on each monitor

The high-definition multi-screen decoder supports resolutions of up to 1920 x 1080 @ 60 Hz per monitor and achieves a decoder output of up to 8 MPx per channel. This equates to a 4K resolution of 3840 x 2160 pixels.

Flexible image layout and stream display

The flexible layout of the video streams allows for individual configuration of the image display, offering either a fixed arrangement using pre-set layouts or streams in floating windows across multiple monitors. Furthermore, individual adjustment of the image output is possible via the freely configurable text display and the adjustable background picture.

Areas of application

A TV wall is ideal in applications with multiple video sources being output across multiple monitors, such as in security monitoring stations, in entrance areas at companies or as a confrontation monitor in shops. Thanks to the freely configurable ticker text, the TV wall is also ideal for use in presentations and events.

Technologies

- High definition multi-screen decoder for displaying video streams on video walls
- 8 DVI-I outputs for controlling standard monitors (additional HDMI adapters included in the scope of delivery)
- Supported monitor resolution of between 1024 x 768 @ 60 Hz and 1920 x 1080 @ 60 Hz
- Decoder output per channel of 4CIF up to 8 MPx
- Flexible arrangement of video streams on video walls: fixed arrangement using pre-set layouts or floating windows

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across multiple monitors

- Simple control and configuration with ABUS CMS software
- Optional stand-alone continuous operation (without ABUS CMS)
- Freely configurable text display and wallpaper on video walls
- Support for H.264, MPEG-4 and MJPEG codec formats
- Integrated gigabit interface for quick transmission of images on the network

Technical data - 8-channel TV Wall Decoder

AC voltage supply	100 - 240 V
Audio input	1 x 3,5mm (2.0Vp-p, 1K0hm)
Audio output	1 x 3,5mm (2.0Vp-p, 1K0hm)
Certifications	CE, C-Tick, FCC
Connectible devices	ABUS CMS, ABUS NVR, ABUS DVR, ABUS IP-Kameras
Dimensions	440 x 340 x 88 mm mm
Features	Image display of camera streams (H.264, MPEG-4), multi-layer overlay, free camera organisation via jointing and roaming mode
Gross weight	7 kg
Height	88 mm
LED display	Power LED, Link LED, RX/TX LED
Language of instructions	English
Length	340 mm
Max. humidity	90 %
Max. operating temperature	55 °C
Min. operating temperature	10 °C
Monitor outputs	8 x DVI-I (analogue + digital)
Net weight	6,3 kg
Network access	1 x RJ45 10/100/1000 Mbps
Number of streams	5
OSD language	English
Power consumption	90 W
Resolution live view	1920x1080@50hz, 1920x108@60Hz, 1600x1200@60Hz, 1280x1024@60Hz, 1280x720@50Hz, 1280x720@60Hz, 1024x720@60Hz
Streams	4Ch@8MPx, 8Ch@5MPx, 16Ch@1080p, 32Ch@720p, 64Ch@4CIF
Width	440 mm