ihse.

INDUSTRIAL HARD- AND SOFTWARE-DEVELOPMENT

- **Supports Video Signals nad analogue/digital Audio + RS232**

- **PAL or NTSC Video: FBAS or Y/C Signals**

- **Audio analogue (digitized transfered 38kHz/16Bit) or Audio digital up to 6MHz**

- **For regular Cat5- cables distances up to 100m, using Multimode fibre up to 400m or Singlemode fibre up to 10km**

- **Bidirectional and unidirectional transmission**

DIGITAL AUDIO/VIDEO EXTENDER

Digital Videotransmission, Audio analogue or digital

DAVX

DAVX

DIGITAL AUDIO/VIDEO EXTENDER

Video	PAL / NTSC - Videosignals FBAS or Y/C (S-VHS)
Audio	depending on device type: Audio analogue (digitzed transfered 38kHz/16 or Audio digital up to 6MHz dat rate (fully transparent, format independent) via fibre-optical connector (TOS-Link - i.e. S/P-DIF)
serial	RS232 (V24) up to 19200 BAUD fully transparent with Handshake
Power supply	international PSU 90...240VAC
Size	170 x 133 x 41 mm-Desktop housing (19" mountable with optional Rack mount kit)
Cable	Cat5, Cat5e, Cat6, Cat7, Distance <100 m Mulrimode Fibre 50µ < 400m, 62,5µ < 200m- Singlemode 9µ < (10km)
upgrade	onboard (FLASH)
Access	depending on device type unidirectional or bidirectional transfer analogue Audio is always bidirectional

Where is it helpful to use the DAVX?

Wherever you need to bridge large distances between your Audio/Video sources and a Monitor, VCR or other Audio/Video device. To ensure the correct handling of your device and for high quality picture and sound at the remote end, without any loss, you need an extender that works like an amplifier. Our DAVX allows Audio/Video extension, using regular Cat 5 cables, over distances of up to 100 m! Using 50µ Multimode-fibre cables you can go up to 400m and with 9µ Singlemode-fibre cables an enormous 10km!

Which features can I use over which distances?

This product has some unique features allowing you to use and handle your Audio/Video devices remotely:
- Transfer Audio/Video signals in digital quality, using Cat 5 over distances of up to 100m. You need only a single solid wire Cat 5 cable (stranded cable (Patchkabel) is NOT suitable).
- Transfer Audio/Video signals in digital quality, using Multimode fibre cables over distances of up to 400m. You need only 2 fibres of a fibre optical cable. With the bidirectional device, you can transfer Audio and Video in both directions independently and simultaneously.
- Transfer Audio/Video signals in digital quality, using Singlemode fibre cables over distances of up to 10,000m (10km!). Other features as Multimode device above.

All devices have an RS232 Interface, which allows you to remotely control devices, for example a camera.

DAVX - digital quality for Audio and Video

Using the DAVX, you can display the signals of a VCR on a remotely located Video projector. Or, you could transmit the signals of a remotely located camera and a microphone to a control room located several kilometres away.
The bidirectional devices allow, on the same 2 fibre cable, the simultaneous, independent transmission of Video and Audio in both directions. You could use the DAVX to build a Video Intercom System, or to monitor a video signal, or to record on a remotely installed VCR.

To ensure the highest Video and Audio quality, signal transmission is fully digital; the analogue video and audio signals are digitized at the input, transferred digitally without any loss, and reconverted to analogue format at the outlet. If you use the optionally available digital Audio Interface you can avoid the lossy conversions between analogue and digital formats.

What are the unique features of this device?

- The signals are transmitted (depending on device type) over Cat 5 (Catx) cable, Multimode-fibre or Singlemode-fibre. This ensures the best match to your existing infrastructure or requirements for distance.
- Video transmission supports PAL and NTSC signal formats. Depending on your requirements, the signals can be FBAS or Y/C (S-VHS).
- Audio signals are transmitted digitally. For input/output, digital or analogue interfaces are available.
- An RS232 interface allows remote control of your devices, for example, a camera
- Using an Infrared Remote Control, you can set up the input format, the video source, brightness and contrast. With a single key press, you can restore the factory settings or reset the brightness/contrast to default values.

Highlights

- Video format: PAL and NTSC
- Video signals: FBAS and Y/C (S-VHS)
- Video bandwidth: 7MHz
- Analogue Audio, sampling rate (digitized transferred) 38.4kHz / 16Bit
- Digital Audio through fibre connector (TOS-Link - i.e. S/P-DIF) with 6MHZ sampling - fully transparent, format independent
- Fully transparent RS232 interface, data rate up to 19,200 Baud with hardware handshake
- Unidirectional devices for Cat 5, Multimode and Singlemode
- Bidirectional devices for Multimode and Singlemode
- No length restrictions for particular video resolutions
- Transmission length: 100m with Standard CATx network cable 200m with 62,5µ Multimode cable 400m with 50µ Multimode cable 10,000m with 9µ Singlemode cable
- Rackmount options (19"): Mount up to 3 devices in 19"/1U using an additional rackmount kit. This saves expensive rack space.

Flexibility

Using mounting brackets, the DAVX may also be mounted under the desktop plate saving additional space on your desktop.

For 19" cabinets, which are often used in networking or server applications, you may mount the DDXi/LC into a single 1U space using a rackmount kit. You can mount one or two devices with this rackmount kit saving valuable rack space. Optionally available: 19"/1U resp. 19"/2U housings carry 1...3 resp. 1...6 devices. The 19" housing come with a built in PSU to power all installed devices.

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