



4K, HDMI, IR, RS-232 Video Extender

Use HDBaseT technology to extend up to 4K video over CAT6/6a cable.

- Extend uncompressed high resolution HDMI video, audio, IR, and RS-232 long distances over a single CAT6/6a cable (shielded cable recommended).
- Use HDBaseT technology for proven reliability.
- Supports 4K (UHD) video with resolutions up to 3840 x 2160
- Maximum transmission distance is up to 70 meters over a single CAT5e/CAT6 cable.
- High Bandwidth: 10.2 Gps.
- HDTV Compatible, HDMI 1.4 and HDCP compliant.
- Supports PoC and CEC.
- Connects to a display to transmit EDID and HPD signals continuously via a CAT5e cable.
- Uses bi-directional RS232/IR control.
- LED indicators show status.
- Housed in a wall/table-mountable aluminum enclosure.



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Black Box Explains

- [HDMI - The digital interface to combine HD video, multichannel audio and more](#)
- [HDBaseT](#)
- [4K Digital Video: Truth and Myth](#)
- [HDCP](#)

Manuals

4K, HDMI, IR, RS-232 Video Extender Manual
[Download avs-hdb-tx_rx_a5.pdf](#)

Catalogue



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Accessories

Product	Code	Unit price	Quantity
4K HDMI, IR, RS-232 Video Transmitter, 4-Port			
4K HDMI, IR, RS-232 Video Transmitter, 4-Port	 AVS-HDB-4TX	Sign in	
Option/Software/Firmware			
Video Extender Infrared Emitter and Receiver	 AVS-HDB-IR	Sign in	
Power Supply			
Spare Power Supply for Video Extender, 24V, 1.25A	 AVS-HDB-PS	Sign in	
HDMI Cable, Locking HDMI to Standard HDMI			
HDMI Cable, Locking HDMI to Standard HDMI - 2.0 m	 VCL-HDMIS-002M	Sign in	
Locking HDMI-to-DVI Cable			
Locking HDMI-to-DVI Cable - 2.0 m	 VCL-HDMIDVI-002M	Sign in	
HDMI Cable, Locking HDMI to Locking HDMI			

RS-232 DB9 to Phoenix Adapter Cable

RS-232 DB9 to Phoenix Adapter Cable

AVS-CBL-RS232

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In Depth Info Technical Data Package Contents

The 4K, HDMI, IR, RS-232 Video Extender is an HDMI/IR/RS232 twisted pair extender consisting of a transmitter (AVS-HDB-TXT) and a receiver (AVS-HDB-TXR). The extender uses HDBaseT technology to transmit an HDMI signal over a maximum transmission distance up to 70 meters over CAT5e/CAT6 cable. CEC, bi-directional RS-232 and IR control and PoC are supported by the extender pair.

Signals that go the distance

The system enables the distribution of Full HD (1080p) video as far as 70 metres and 4K video up to 40 metres over each link.

Use existing cables and save costs

Since the video extender can extend video over CAT6/6a cable, there's no need to pull new cables and/or sacrifice video quality in the process. It's ideal for applications that require distance for high-quality video resolutions on HD and 3D displays.

Simple installation

The extender units only require powering in one end.

Additional features

- HDCP compliant and Blu-ray ready.
- Multiple features for EDID support.
- Remote powering only requires PSU in one end.
- Cooling and ventilation design.
- Locking power supply and HDMI.

The extender is compatible with the following products:

- AVS800 or AVS1600 Modular Video Matrix Switchers when used with the AVS-4I-HDB 4K, HDBaseT, Analog Audio, and RS-232 Input Card
- Multi-Format Video Scaler with Extension (AVSC-5DA1-HDB)

Complete your 4K, HDMI, IR, RS-232 Video Extender solution with:

RS-232 DB9 to Phoenix Adapter Cable

(1 variants)



Connect an RS-232 DB9 interface to a 3-pin Phoenix interface. [Read more...](#)

[Sign in for prices](#)

Additional products

Modular Video Matrix Switcher

(11 variants)



Manage and distribute any AV signal [Read more...](#)

Multi-Format Video Scaler with Extension

(1 variants)



Scale and switch any video signal to HDMI and HDBaseT

HDMI Cable, Locking HDMI to Standard HDMI

(4 variants)



Secure your specialty HDMI cables to prevent accidental or

HDMI Cable, Locking HDMI to Locking HDMI

(4 variants)



Secure your specialty HDMI cables to prevent accidental or

Alternative products

3D HDMI Fibre Extender (1 variants)  Extends lossless HDMI with 3D support Read more... Sign in for prices	MediaCento™ IPX PoE (6 variants)  Multicast HDMI video over an IP network to a virtually unlimited number of distant screens for faster, more efficient HD content Sign in for prices	XR HDMI and IR Extender (1 variants)  Lower digital signage cabling costs with this 3D HDMI extension and enhanced IR control solution Read more... Sign in for prices	3D HDMI CATx Extender (1 variants)  Reach eye-catching 3D screens simply and affordably with this CATx-based HDMI extension solution Read more... Sign in for prices
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