Extenders

SP CONTROLS **HDBT**

Subcompact HDBaseT Receiver to HDMI Output with RS232 and PoE

This compact HDBaseT receiver is one of the smallest on the market. At 3" X 3" X 0.7", this little powerhouse converts HDBaseT to HDMI using standard unshielded twisted pair CAT5e/6 at distances of up to 328' (100m) for 4K@30 or 497' (150m) for 1080p@60. At the same time, the SP-HDBT-REC provides bi-directional RS232 and power (PoE) through the same cable.

Designed originally to work with SP Controls line of presentation switchers, the SP-HDBT-REC is a standards-based HDBaseT product. The SP-HDBT-REC can work with a variety of other HDBaseT transmitters and switching products.

The SP-HDBT-REC is perfect for classrooms and conference rooms with projectors in the ceiling. This device is also attractive for digital signage to provide video content as well as controlling remote amplifiers via RS232.

COMMON APPLICATIONS

As an HDBaseT receiver, the SP-HDBT-REC is typically located close to displays – either behind at panel displays or located just above Projectors.

The ultra-compact design of the SP-HDBT-REC makes this product particularly advantageous behind tight wall-mounted flat panels and low profile projectors.

Finally, an SP-HDBT-REC is an exceptional solution for digital signage solutions due to the long-distance capabilities of HDBaseT video technologies and its local RS232 and CEC display control.

FEATURES

ULTRA COMPACT SIZE At 3" x 3" x 0.7", this receiver is one of the smallest on the market. This compact design makes this receiver perfect for close quarters, behind flat panels or just above low profile projectors.

SIMPLE, NO PROGRAMMING REQUIRED The SP-HDBT-REC is a simple plug-and-play device. No programming is required. Just plug the device in and the receiver immediately begins working. The receiver negotiates its power with the transmitter and immediately begins to convert audio and video signals from the host. Amazingly simple.

RS232 Control of output devices, such as projectors, screen controllers, or amplifiers is often troublesome in ceilings. This receiver offers an RS232 interface right at the display. With more and more projectors offering native HDBaseT support, the SP-HDBT-REC's standards-based RS232 interface make controlling the projector extremely convenient.

COMPATIBLE The SP Controls SP-HDBT-REC is standards based. This means that it can be used with most of today's HDBaseT transmitters and extenders. RS232 on the SP-HDBT-REC is available only if the transmitter integrates RS232 according to the HDBaseT standard.

UHD The SP-HDBT-REC supports HDTV and VESA resolutions – including 4K@30, 4K@60 (4:2:0) and 1080p@60.

CEC PASSTHRU CEC (Consumer Electronics Control) is a standard that is supported by the SP-HDBT-REC. For example, if the SP-HDBT-REC is used with SP-SW5200-VUHBT, the SP-SW5200-VUHBT can automatically turn on and off the display attached to the SP-HDBT-REC provided the display supports CEC control. Most flat panels offer this feature often under various trade names, such as, Samsung's Anynet+ or Sony's BRAVIA Link.

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TECHNICAL DATA

HDBaseT INPUT

Format:	(1) RJ-45 Female 300 MHz TMDS Clock Frequency 3.4 Gbps per channel
Chipset:	VS2310 "Colligo" Series

HDBaseT OUTPUT

Format:	(1) HDMI Type A Female V1.4b 10.2 Gbps 300 MHz TMDS Clock Frequency (3.4 Gbps per channel)
Max Resolution:	2160p @ 30Hz, 24 bpp 2160 @ 60 Hz, 24 bpp, 4:2:0 color pixel format

COMMUNICATIONS

RS-232:	1 3-pin Euroblock female 1200-230400 Baud rate

ENCLOSURE

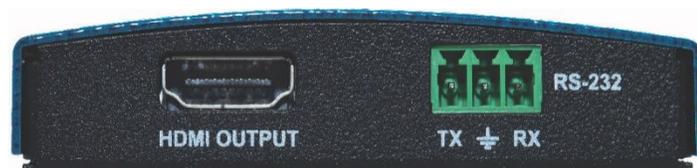|	
Dimensions:	3.1" x 3.0" x .067"
Weight:	2 oz
Power:	PoE/PoH: 37-57VDC, 48VDC Nominal Load: 6W maximum Standard: 802.3af
Material:	Steel, Black Matte Finish on Base, Blue/Black on Cover

CERTIFICATIONS

Safety:	CE
Environmental:	CE, RoHS
Power Certifications:	UL, CUL, CE

ENVIRONMENTAL

Operating Temperature:	32° to 158° F
Operating Humidity	10% to 90% non-condensing

SP-HDBT-REC Back View