

Extend HDMI and control over CATx cable; simply, reliably and with a single power source

The Kordz PLX-HDB.2 uses HDBaseT architecture to support UHD video to 40m, 1080p video to 70m with bi-directional IR and RS-232 control. The transmitter (TX) and receiver (RX) are both powered by a single DC power supply at the transmitter end. Each chassis is only 16mm high with all connections positioned on one side, allowing installation flexibility in tight spaces. Mounting brackets are included. IR and RS-232 cables are available separately.

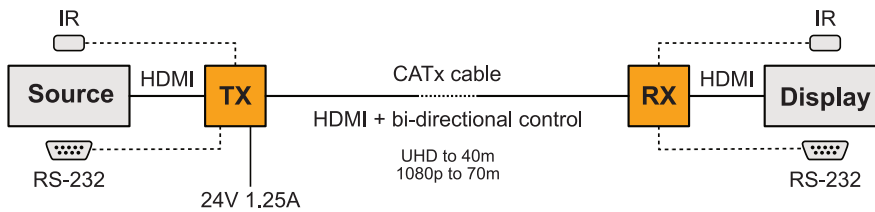
- Supports CATx UTP/FTP/STP cable
- Supports HDMI UHD to 40m,
- Supports HDMI 1080/60 to 70m,
- Supports HDMI 2.0 UHD60 8-bit 4:2:0,
- Supports HDMI 1.4 UHD30 up to 12-bit 4:2:2, & 8-bit 4:4:4/sRGB
- HDCP 2.2 compatible,
- HDBaseT certified,
- HDBaseT Lite VS010 architecture,
- HDMI 2.0 Adopter company,
- HDBaseT Alliance Member.



Applications

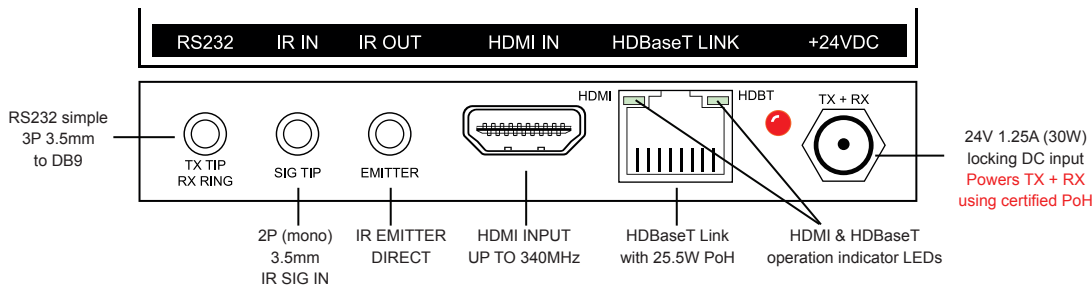
- Long length AV connectivity up to 40m UHD / 70m 1080p,
- Commercial and high-end residential,
- UHD video and professional graphics,
- TX certified for use with third party certified HDBaseT RX,*
- RX certified for use with third party certified HDBaseT TX.*

* Resulting system will operate at lowest common feature set

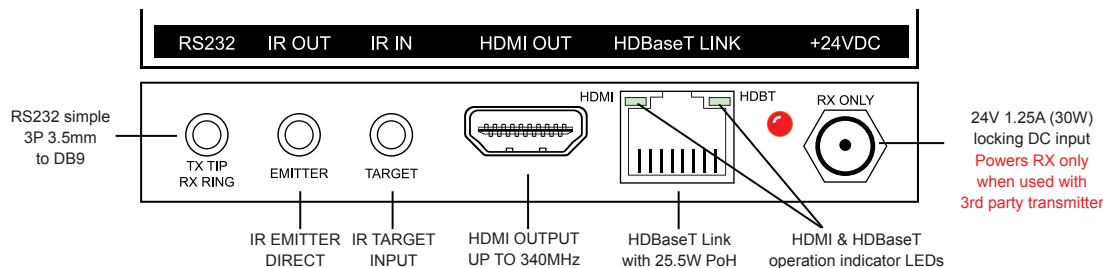


Connections

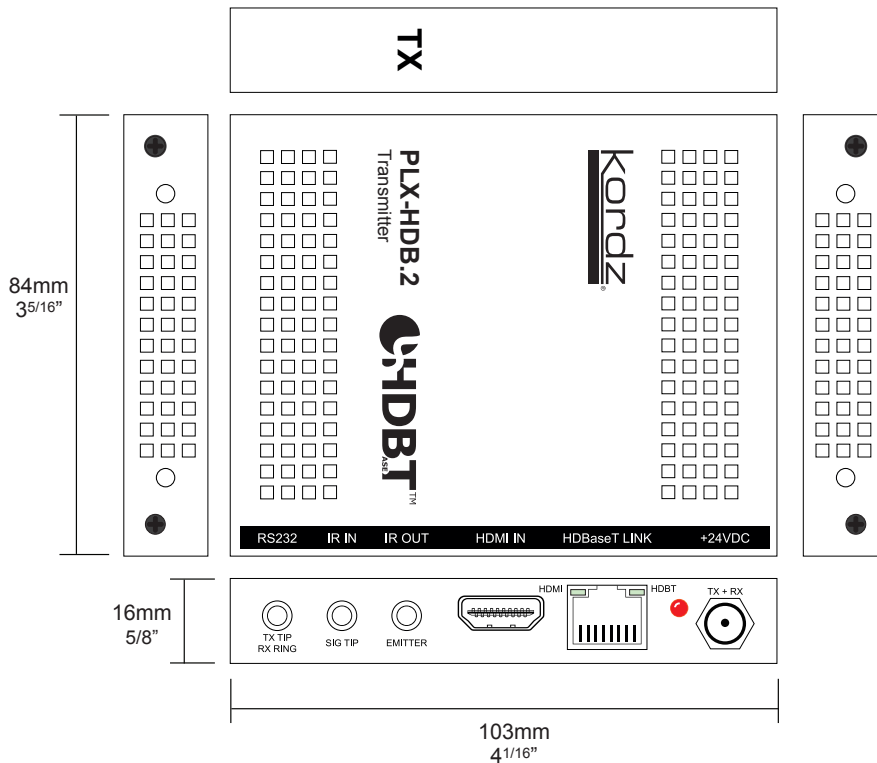
Transmitter (TX)



Receiver (RX)



Dimensions



Specifications

Extension technology	VS010 HDBaseT Lite
Link Cable Length	≤ 40m UHD24-60fps*, ≤ 70m 1080p/60
	* UHD 60fps supported with 8-bit 4:2:0 mode only (HDMI 2.0)
Video Support	VESA and SMPTE 480p to 2160p(4K), 1080p/60 3D
Audio Support	All HDMI audio formats, Dolby HD/Atmos® + DTS® HD-Master Audio/DTS:X + PCM
Channel count:	2.0 to 7.1 (HDMI 1.4), 10.2-30.2 3D Audio (HDMI 2.0)
Sample rates:	32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz all channels, 1536kHz 2ch
Thermal performance	Chassis TX 27°C RX 35°C free air, room temp 20°C

I/O Connections

HDMI	Type A, ≤ 340MHz TMDS Clock
IR Downstream;	
IN (on TX)	3.5mm 2-pole [SIG tip Gnd sleeve]
OUT (on RX)	3.5mm 2-pole, 940nm emitter direct connection
IR Upstream;	
IN (on RX)	3.5mm IR target direct [SIG tip Gnd ring 12V sleeve]
OUT (on TX)	3.5mm 2-pole, 940nm emitter direct connection
RS-232	Simple transmit/receive protocol
Pin configuration	3.5mm stereo plug, TX Tip RX Ring Gnd Sleeve (no handshake)
HDBaseT Link	8P8C (RJ45) shielded, supports up to 10.2Gbps aggregate data rate
DC Power	24V DC 1.25A (30W), locking connector
Power over HDBaseT (PoH)	YES, 25.5W IEEE-802.3at compliant
Chassis Construction	Aluminium, powder coated
Dimensions	103 x 84 x 16mm
Weight	TX 134g RX 131g
Included accessories	PSU + international adapters, mounting brackets x2 pairs, adhesive rubber feet
Optional accessories	3.5mm-DB9 RS-232 male cable (PLX-RS232M) 3.5mm-DB9 RS-232 female cable (PLX-RS232F) IR target (IR-TB2) IR Emitter (IR-EM1)

