18Gbps HDMI Extender with VLC Technology

PT-HDBT-200 is a fully HDMI 2.0a compliant HDBaseT extender set. The set is capable of 40m range at 18Gbps, and makes full 4K@60 4:4:4 and HDR content finally compliant with HDBaseT. Transmission of the maximum HDMI bandwidth is made possible by the use of its advanced visually lossless compression algorithm which enables HDBaseT to work with current cutting edge hardware and source material. The PT-HDBT-200 provides crystal clear HDR and full bandwidth 4K at distances and quality that were previously not possible in this price category.

FULL 18GBPS AND HDR
Compatible with the new Ultra High Definition sources and displays, displaying signals at resolutions up to 4K @60 4:4:4 (18Gbps) and shows crystal clear HDR media to its best ability.

HDBT TRANSMISSION
With HDBaseT transmission up to 40m range at 4k (70m at 1080p), two way PoC, plus proprietary VLC compression technology, the PT-HDBT-200 is a cutting edge professional HDBaseT extender set at a commercial price point.

SMART SIGNAL MANAGEMENT
With smart EDID management, IR and RS232 pass-through, the PT-HDBT-200 is perfectly equipped to handle all your data without difficulties. Simply plug and play.

ULTRA COMPACT SIZE
All of this technology is packed into a compact enclosure, for installation into furniture or under desks.

DETAILED TECHNICAL SPECIFICATION

PT-HDBT-200-TX TRANSMITTER

VIDEO	
Input	1 x HDMI
Output	1 x HDBaseT (RJ45)
HDMI Standard	HDMI 2.0a & HDCP2.2; HDR
Bandwidth	18Gbps
Resolution	Up to 4K@60Hz 4:4:4
Transmission Mode	HDBaseT

CONTROL PART	
Control Ports	1 x IR In (3.5mm Jack); 1 x IR Out (3.5mm Jack); 1 x RS232 (3 pin Phoenix)
Button Control	1 x 3 Pos Slide Switch

GENERAL	
Transmission Distance	1080p ≤ 70m; 4K ≤ 40m
Operation/Storage Temperature	-10°C~55°C
Relative Humidity	0% ~ 90%
Power Supply	12VDC 2A Locking Barrel (5.5mm Outside Diameter, 2.1mm Inside Diameter)
Power Consumption	14W (max)
Dimension (W*H*D)	115mm x 12 mm x 84mm
Net Weight	240g

PT-HDBT-200-RX RECEIVER

VIDEO	
Input	1 x HDBaseT (RJ45)
Output	1 x HDMI
HDMI Standard	HDMI 2.0a & HDCP2.2; HDR
Bandwidth	18Gbps
Resolution	Up to 4K@60Hz 4:4:4
Transmission Mode	HDBaseT

CONTROL PART	
Control Ports	1 x IR In (3.5mm Jack); 1 x IR Out (3.5mm Jack); 1 x RS232 (3 pin Phoenix)
Button Control	1 x 3 Pos Slide Switch

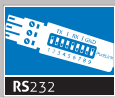| GENERAL	
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OPTIONAL ACCESSORIES	

PT-RM-SE104	Rack Mount Kit 1U for 4x Slim Extenders
PT-RM-SE312	Rack Mount Kit 5U for 12x Slim Extenders

PT-IRE-HDBT	IR Emitter for HDBaseT Extenders
PT-IRK-HDBT	IR Kit for HDBaseT Extenders
PT-IRR-HDBT	IR Receiver for HDBaseT Extenders

PTM-RS100	Universal RS232 Cable with Adjustable Pin Settings

CONNECTION DIAGRAM

Legend:
- Video
- Control
- Power

TX inputs:
- HDMI
- RS232 (3 pin Phoenix)
- IR In (3.5mm Jack)
- Power (DC Barrel)

TX outputs:
- HBaseT (RJ45)
- IR Out (3.5mm Jack)

RX inputs:
- RS232 (3 pin Phoenix)
- IR In (3.5mm Jack)
- Power (DC Barrel)

RX outputs:
- HDMI
- IR Out (3.5mm Jack)