4K HDBaseT Receiver with PoH

PT-HDBT-702-RX is a fully HDBaseT compliant receiver. It is able to receive Full HD up to 70m and 4K/UHD up to 40m with embedded multi-channel audio, and control signals. It is even CEC capable allowing the pass through of CEC to simplify system control with a single remote. Its two way PoH allows for remote powering of a source or transmitter unit or it can be powered from any other PoH capable device.

HDMI – 4K 60HZ 4:2:0
Compatible with 4K HDMI sources and displays, displaying signals at resolutions up to 4K @60 4:2:0 (10.2Gbps).

HDBT TRANSMISSION
With HDBaseT transmission up to 40m range at 4K (70m at 1080p), and two way PoH, the PT-HDBT-702-RX is a professional HDBaseT receiver for use with all HDBaseT rated equipment.

SMART SIGNAL MANAGEMENT
With CEC pass through, smart EDID management, IR and RS232 pass through, the PT-HDBT-702-RX is perfectly equipped to handle all your data without difficulties. Simply plug and play.

ULTRA COMPACT SIZE
All of this technology is packed into an ultra slim light weight enclosure, for installation almost anywhere.

VIDEO

Input	1 x HDBaseT (RJ45)
Output	1 x HDMI
HDMI Standard	HDMI 1.4a & HDCP2.2
Bandwidth	10.2 Gbps
Resolution	Up to 4K@60Hz 4:2:0
Transmission Mode	HDBaseT
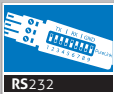
CONTROL PART

Control Ports	1 x IR In (3.5mm Jack); 1 x IR Out (3.5mm Jack); 1 x RS232 (3 pin Phoenix)

GENERAL

Transmission Distance	1080P ≤ 70m; 4K ≤ 40m
Impedance	75Ω
Operation/Storage Temperature	0°C ~ 50°C
Relative Humidity	10% ~ 90%
Power Supply	DC 24V, 1.25A Locking Barrel (5.5mm Outside Diameter, 2.1mm Inside Diameter)
Power Consumption	14W
Dimension (W*H*D)	115mm x 16.2mm x 109mm
Net Weight	196g

OPTIONAL ACCESSORIES

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

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

	PTM-RS100	Universal RS232 Cable with Adjustable Pin Settings

DETAILED TECHNICAL SPECIFICATION

CONNECTION DIAGRAM

Video
Control
Power

HDBaseT (RJ45)
RS232 (3 pin Phoenix)
IR In (3.5mm Jack)
Power (DC Barrel)

HDMI
IR Out (3.5mm Jack)

RS232
IR IN
IR OUT
HDMI OUT
HDBT IN
DC 24V

PureTools
Receiver
HDBaseT Extender
4K (6Hz 4:2:0) with IR and RS232
PT-HDBT-702-RX
RX