



PureTools | HDBaseT Products

Professional Signal Management

The transmission of audio and video signals in the best quality over longest distances is the technical challenge - and the objective. UHD multimedia content needs to be transmitted without loss of quality. Maximum bandwidth and range are essential. **This is our expertise.**



Five Signals - One Cable

HDBaseT is the leading standard for the professional transmission of high-resolution multimedia via one single cable.

The HDBaseT technology combines the transmission of audio, video, ethernet, power, control and USB signals over a single cable.

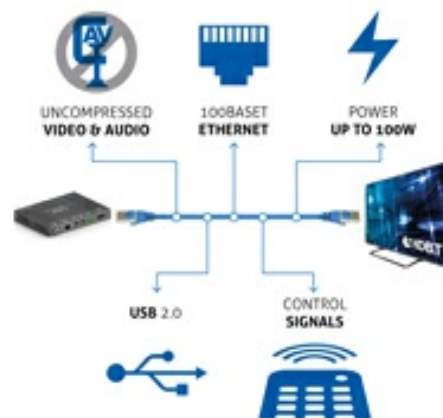
HDBaseT provides a simple transfer solution based on the plug-and-play principle and can be accomplished with off-the-shelf power cables and plugs (RJ45, CAT 5, 6, 7).

The Advantages

- **Reach** Supports distances of up to 100m
- **5 Play** Simultaneous transmission of video, audio, ethernet, control signals and power
- **Efficiency** One cable for the complete installation
- **Signal Quality** High quality video up to UHD 4K resolution
- **Scalability** Universally employable and future-proof
- **Simplicity** Simple, low-cost Plug-and-Play

5 Play: Reach and Function

- **Uncompressed video signals**
Max.UHD/4K at 60Hz, 10.2 Gbps
- **Audio signals**
PCM, Dolby Digital, DTS, Dolby TrueHD, etc.
- **Ethernet with 100 Mbit/s**
- **Power over Ethernet (PoE)**
- **Control signals**
RS232, IR, USB, etc.



	HDBaseT	Max. Resolution	Max. distance	Transmission Medium	HDMI Version	RS232 / IR	Ethernet	USB
Class B	1.0	1080p60 UHD / 4K	70 m 40 m	CAT6a/ RJ45	1.4a	✓		
Class A	1.0	1080p60 UHD / 4K	100 m 70 m	CAT6a/ RJ45	1.4a	✓	✓	
Class C	2.0	1080p60 UHD / 4K	100 m 100 m	CAT6a/ RJ45	1.4a (CCTV)	✓		✓
Class D	2.0	WUXGA	30m	CAT6a / RJ45	1.4a	✓		✓
Class E	2.0		600m – 10km	Fiber	4K	✓	✓	✓

Quality Matters

The new PureTools HDBT Series comprises high-quality, forward-thinking products for the transmission of HDBaseT signals. They enable signal transmission over the longest distances and ensure absolute compatibility with future connection standards in professional applications.

Connectivity is individual. Combine PureTools transmitters, receivers, matrix extenders and splitters, and create complete, fine-tuned connectivity solutions.

Get the maximum performance. Achieve the maximum range and compatibility with PureLink's high-quality HDBaseT-optimized cables and connectors.

Ultra Slim 4k HDBaseT Receiver with PoH

PT-HDBT-702-RX

- 10.2 Gbps (4K 60Hz 4:2:0) HDCP 2.2 over HDBaseT
- Two-pole IR, RS232 pass through
- Ultra slim and compact, with lockable connector
- 4K at 40m and 1080p at 70m

Product Details



Ultra Slim 4k HDBaseT Transmitter with PoH

PT-HDBT-702-TX

- 10.2 Gbps (4K 60Hz 4:2:0) HDCP 2.2 over HDBaseT
- Two-pole IR, RS232 pass through
- Ultra slim and compact, with lockable connector
- 4K at 40m and 1080p at 70m

Product Details



4k HDBaseT Receiver with Analog and Digital Audio De-embedding

PT-HDBT-701-RXAD

- 10.2 Gbps (4K 60Hz 4:2:0) HDCP 2.2 over HDBaseT
- Multiformat Audio de-embedding, digital COAX, TOSLINK, stereo outputs
- Two-pole IR, RS232 pass through
- 4K at 40m and 1080p at 70m

Product Details



4k Multiformat EU Wall Plate HDBaseT Transmitter with PoH

PT-HDBT-701-TXWP



- 2x1 Wall Plate - HDMI and scaled VGA input with auto and manual switching mode
- 10.2 Gbps (4K 60Hz 4:2:0) HDCP 2.2 over HDBaseT
- Two-pole IR, RS232 pass through
- 4K at 40m and 1080p at 70m

[Product Details](#)

18Gbps HDMI 2.0 Extender Set with VLC Technology

PT-HDBT-200

- 18Gbps (4K 60Hz 4:4:4) with HDR and HDCP 2.2 support over HDBaseT
- VLC technology for transmission of full bandwidth
- Two-way PoC, IR and RS232 pass through
- 4K at 40m and 1080p at 70m



[Product Details](#)

4x2 Presentation Switcher Set with HDBaseT Receiver

PT-PSW-42



- 10.2 Gbps (4K 30Hz 4:4:4) with HDCP 2.2 support
- 2 HDMI, VGA, and DP local inputs with an extra HDMI at the RX, full 5 play HDBaseT transmission
- Dual USB device control, relay extension - designed for use with Skype®, WebEx®, GoToMeeting®
- Smart EDID management, full control via GUI, front panel, IR, RS232, TCP/IP
- 4K Multiformat scaling – optimized for teleconferencing applications

[Product Details](#)

4x1 Presentation Switcher with HDBaseT Output

PT-PSW-41H

- 4K Multiformat Scaling
- 10.2 Gbps (4K 60Hz 4:2:0) with HDCP 2.2 support
- HDMI, VGA, DVI and DP with HDBaseT and stereo audio output
- Auto switching and dry contact as well as IR and RS232 control
- 4K at 100m and PoH activate or deactivate option

Product Details



9x2 Presentation Switcher Set with HDBaseT Receiver

PT-PSW-92



- 4K Multiformat Scaling and Audio Amplifying
- 10.2 Gbps (4K 60Hz 4:2:0) with HDCP 2.2 support
- 5 HDMI, 2 VGA, DP and HDBaseT inputs, full 4K HDR input scaling with mirrored HDMI and HDBaseT outputs, incl. RX (PT-HDBT-1001RX)
- Enhanced audio features with MIC and Line inputs mixing plus built in 40W 70V/100V constant voltage amplifier
- Smart EDID management, full control via GUI, front panel, IR, RS232, TCP/IP

Product Details

5x2 Presentation Switcher Set with HDBaseT Receiver

PT-PSW-52

- HD Multiformat Scaling, Seamless Switching and Audio Amplifying
- Input resolutions up to 1080p / WUXGA with HDCP 2.2 support 3 HDMI, VGA and DP inputs, scaled HDMI and HDBaseT output incl. Receiver (PT-HDBT-701-RX)
- 3 level MIC input, audio embedding and de-embedding
- Auto switching, CEC, IR, TCP/IP, RS232, pass through incl. PoH

Product Details



2x1 Presentation Switcher with HDBaseT Output PT-PSW-21



- 4K Multiformat Scaling
- 10.2 Gbps (4K 60Hz 4:2:0) with HDCP 2.2 support
- HDMI and scaled VGA input, with auto and external breakout button switching
- PoH, bi-directional RS232 and IR pass through
- 4K at 40m and 1080 at 70m

Product Details

6x2 Presentation Matrix Set with HDBaseT Receiver PT-PMS-62

- 4K Multiformat Scaling and Audio Matrix Switching
- 10.2 Gbps (4K 30Hz 4:4:4) with HDCP 2.2 support
- 3 HDMI 2 VGA and DP Video inputs, independent HDMI and HDBaseT outputs, incl. RX (PT-HDBT-701-RX)
- Enhanced audio matrix with MIC and Line inputs, 3 mode analog / digital outputs and built in 40W amplifier
- Smart EDID management, full control via GUI, front panel, IR, RS232, TCP/IP



Product Details



Brands



PureWIKI



News



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