



Keep it Real, Keep it Uncompressed with HDBaseT Spec 3.0

The Only Fully Uncompressed Solution in the Market Today

HDBaseT continues to revolutionize the AV market.

HDBaseT Spec 3.0 enables the long-distance transmission and convergence of ultra-high-speed, uncompressed audio & video, 1Gb Ethernet, USB 2.0, controls and power, with near zero latency.

- HDMI 2.0 4K@60 4:4:4 for up to 100m/328ft over a category cable, supporting all resolutions up to 594MHz
- Support for HDCP2.x and 1.x authentication and encryption
- Native support for 4K@60 Dolby Vision
- 1Gb Ethernet
- Audio - I²S-4

Interoperable

Plug & Play

Uncompressed

Future-Proof

The Ultimate Solution for High Quality, Uncompressed Transmission

Compression equals compromise.

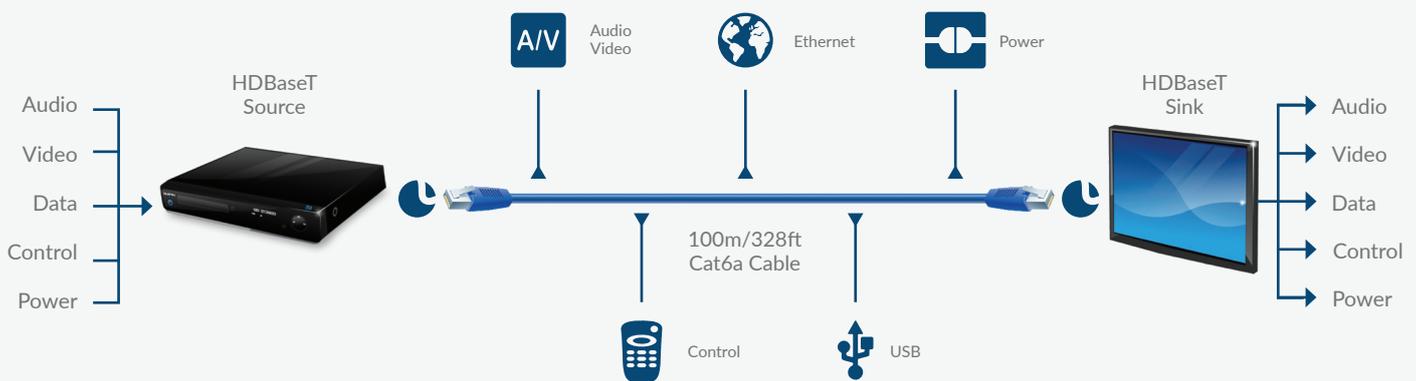
And there is always a price for compromises.

Compression leads to loss of quality, more latency, less functionality as some formats (such as Dolby Vision) cannot be compressed.

There are different levels of compression, from highly compressed (MPEG-2/H.264/H.265) to visually lossless compression (such as DSC), which can suit some applications and use cases, but sometimes compression is not an option.

Enter HDBaseT Spec 3.0 – the only solution in the market today that provides the plug-and-play platform to transmit up to 16Gbps on main link and 2Gbps on return link for up to 100m/328ft.

The Power Of Convergence: One Silicon, One Link, Simultaneous Multiple Interfaces



Uncompressed HDMI 2.0 4K@60 4:4:4

Transmitting HDMI 2.0 over 16Gbps?

Uncompressed HDMI 2.0 demands 18Gbps bandwidth. How can HDBaseT transmit HDMI 2.0 4K@60 4:4:4 and yet, claim it is uncompressed?

That's because HDBaseT technology can do so without the 20% overhead that HDMI 2.0 demands, and as such can transmit the fully uncompressed video without compromising signals or affecting latency. HDMI utilizes Transition-Minimized Differential Signaling (TMDS) protocol, which implements an 8-bit data (8b) into a 10-bit signal (10b) coding. Over the HDBaseT link, only the 8-bit data is transmitted. That means that the 18Gbps rate of TMDS channels is easily transferred over HDBaseT's 16Gbps bandwidth.

That's the power of HDBaseT.

HDBaseT is the established distribution technology in the AV market, bringing considerable benefits to the sector. Spec 3.0 takes it one step forward with the ability to deliver uncompressed content, while still converging multiple interfaces over a single cable.

HDBaseT is the leading standard in the market, guaranteeing interoperability and backward compatibility among different devices for a plug-and-play installation experience. With a large ecosystem, including thousands of products, HDBaseT expands the range of options and choices in the market, while guaranteeing top performance and reliability.

**HDBaseT is the Answer.
It's Time to Uncompress
Your AV Life!**