

Accell UltraCat HDBaseT Extenders Preview

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Summary

- Product Name: **UltraCat HDBaseT Extenders Preview**
- Manufacturer: **Accell**
- Review Date: **September 08, 2011 05:40**
- MSRP: **\$TBD**
- First Impression: **Pretty Cool**

Specifications

- HDTV Resolution: All HD resolutions including 1080p@60Hz@48-Bits, 4Kx2K, 3D
- Computer Resolution: Up to 1280x1024
- Signaling rates: 10.2 Gbps (340 MHz)
- Output Video: .HDMI v1.4 + HDCP v.1.1+CEC
- Audio Format Support: LPCM, Compressed Audio, DTS-HD and Dolby TrueHD
- Mounting Ears: Supplied
- Distance (1080p): 328 ft. (100m) using Cat-5e (UTP)
- Cat-5e/6 Termination (signal and Ethernet): TIA/EIA-568B
- Power Supply (2): 5V/2Amps - 100-240V 50/60Hz 0.3A
- Power Consumption: 2.5W (transmitter) 5W (receiver)
- Dimensions (approximate) .6" (W) x 4.13" (H) x 1.22" (D)
- Weight (both modules): 1.98 lbs. (metal enclosure)
- Operating temperature: -5 to +35°C (-41 to +95°F)
- Operating humidity: 5 to 90 % RH (no condensation)
- TMDS Input Voltage: 1.2v peak-peak
- Input DDC Signal: 5 volts peak-peak
- IR TX and RX on Each Module: 3.5mm connector
- Ethernet Pass Through: 10/100BaseT
- Serial Pass Through: RS-232C to 57600 bps/full duplex

Executive Overview

We're big fans of HDBaseT, having covered the technology in depth since its debut and cheering it on to take on a greater role in finally "networking" home theater components. Now, Accell has shown off a new and innovative Cat6e/6-based "UltraCat HD Extender" based on the HDBaseT standard. It provides HDMI over a single [Cat5e/6](#) cable and does it for long runs of up to 328 feet (100 meters). In fact, it does more than just HDMI. The system transmits and receives uncompressed full HD digital [video](#), uncompressed 7.1 audio, 100BaseT Ethernet, RS232C control signal and even infrared control signals over a single Cat5e/6 cable! That is nothing short of amazing. And it's not a minimum supporter of HD either, it can send and receive full 1080p, 4K and even 3D signals.

With support for data transfer rates of up to 10.2Gbps, the HDBaseT-powered UltraCat HD Extenders are fully HDCP compliant and compatible with the latest (i.e. this week's) HDMI High Speed specification. The extenders support the CEC functionality and provide an Ethernet 10/100BaseTx pass through, which is ideal for use with IP enabled TV's and devices. The system is comprised of a single transmitter and receiver [unit](#) which must be powered (5VDC) and carries an MSRP of \$499.95. Accell already has the UltraCat HD Extenders hitting the market this week.

For more information, please visit <http://www.accellcables.com>.