

Uncompressed HDMI® and Control Over 330 ft of Cat 5

Transmit HDMI, 7.1ch digital audio, bi-directional RS-232, and IR up to 330 ft. over a single Cat5e/6 cable.

The HBT200KIT is an excellent problem solver for residential and commercial installations when reliable, extra long HDMI video transmission is a must. Ideal for both retrofit and new construction applications, the HBT200KIT offers uncompressed HDMI video with full 3DTV support, lossless digital audio (Including DTS-HD Master Audio and Dolby TrueHD) and two-way control signal pathways over a single Cat5e/6 cable.

Bi-directional IR and RS-232 pathways provide the added convenience of control from either A) the head-end rack out to the video displays using a centralized 3rd party controller from Control4, RTI, etc. or B) from the video display location back to the head-end rack. Uncompromising HD video performance and convenience make the HBT200KIT a essential tool for your AV product assortment.

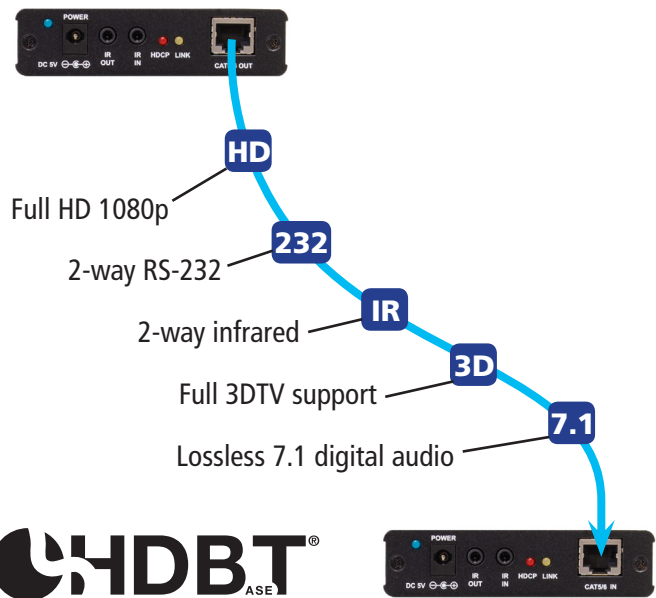
HBT200 FEATURES:

- Extends HDMI up to 328 ft. (100m) via one Cat 5e/6 cable
- Uncompressed HDMI - 2K/4K (4 times 1080p)
- Supports 1080i/p, 720p, and 480i/p resolutions and 24Hz, 30Hz, 50Hz, 60Hz refresh rates
- Supports all HDMI version 1.4 features including 3D
- Supports 48bit Deep Color
- Lossless bitstream audio including Dolby TrueHD, DTS-HD Master Audio and Multichannel LPCM
- Transmits RS-232 and IR signals bi-directionally
- Kit includes one HBT200T Transmitter and one HBT200R Receiver
- HDCP / EDID compliant

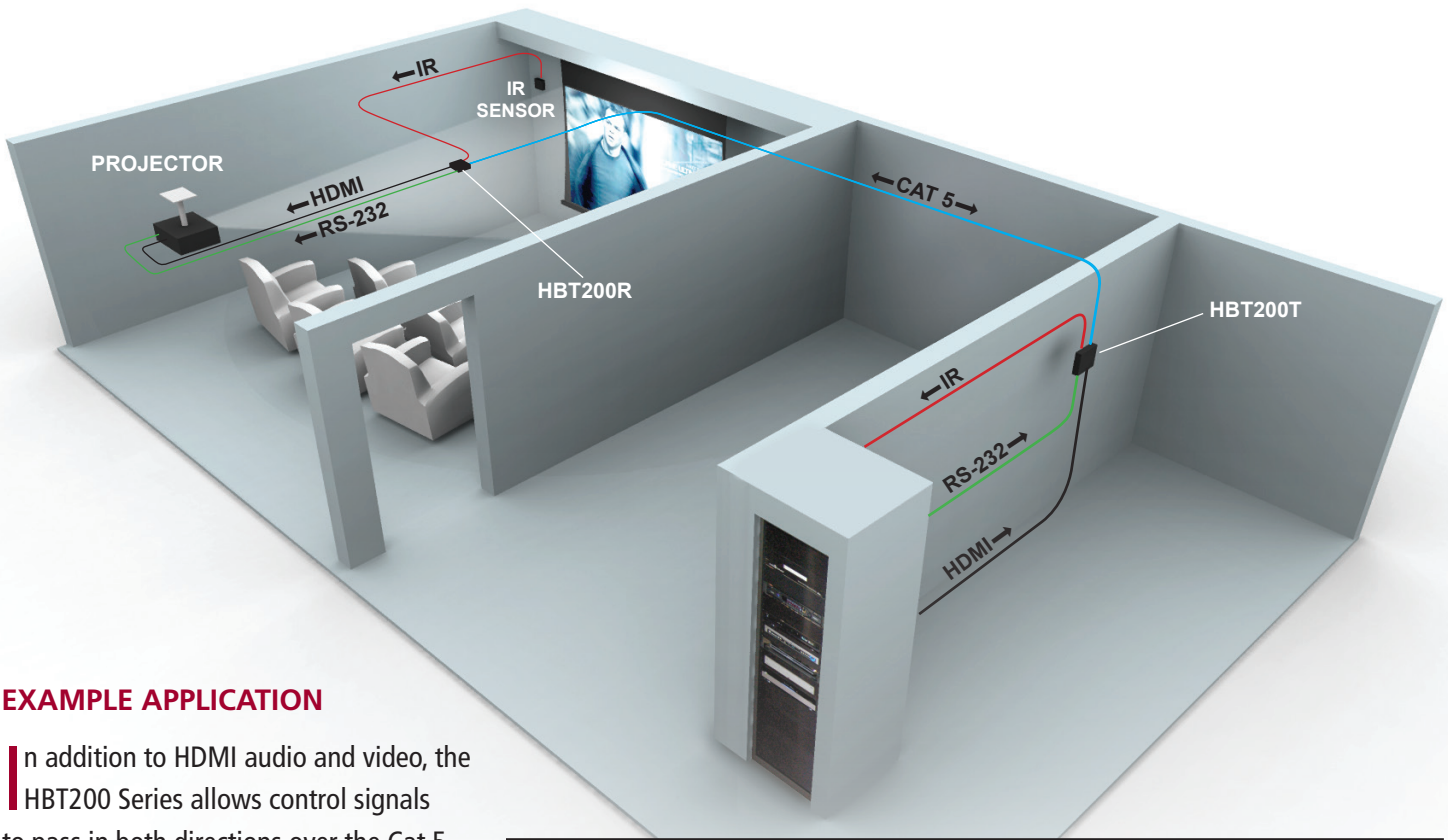
Model HBT200T
Transmitter



Model HBT200R
Receiver

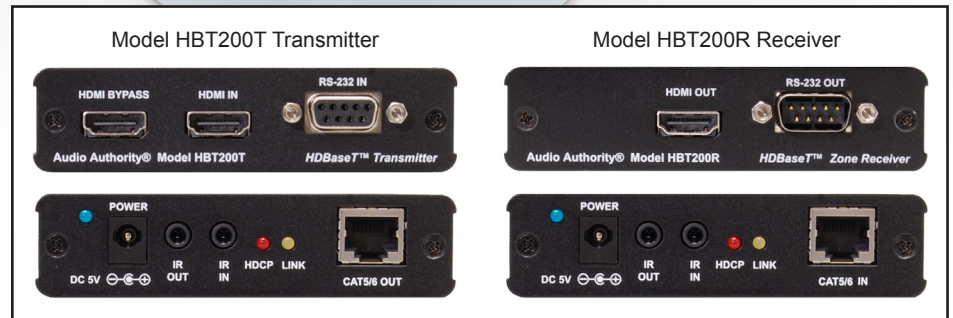


HDBaseT is a consumer electronic (CE) connectivity technology optimized for whole-home and commercial multimedia distribution. HDBaseT can connect all the entertainment devices, converging uncompressed full HD digital video, audio, 100BaseT Ethernet, and power over cable plus multiple control signals through a single 330 foot CAT5e/6 cable with RJ45 connectors. *NOTE:* The HBT200KIT supports only part of the 5-play feature set. More Audio Authority HDBaseT products are in development.



EXAMPLE APPLICATION

In addition to HDMI audio and video, the HBT200 Series allows control signals to pass in both directions over the Cat 5 cable. This example shows a home theater room with an HDMI projector. The projector is turned on and off by the centralized automation system via RS-232. IR control signals can be sent back to equipment in the rack via the HBT200 system through an IR sensor in the theater room.



SPECIFICATIONS:

HDMI video Input 1x via HDMI connector (Type A)
HDMI bypass output (testing only) 1x via HDMI connector (Type A)
HDMI main video output 1x via HDMI connector (Type A)
Extension input/output Cat 5e/6 UTP cable, EIA-568B termination
HDMI audio output Dolby® TrueHD and DTS-HD: Master Audio
IR frequency 20-60-KHz
Data rate 2.25Gbps (single link)
TMDS clock speed 225MHz
Color depth 8/10/12 bit color depth display
Supported PC/DVI resolutions Up to 1920x1200 reduced blanking
Supported video resolutions 480i, 480p, 576i, 576p, 720p, 1080i and 1080p
Max cable length TX to RX 100m (330') for 1080p/12-bit (Cat 5e or 6)
Max cable length source to TX 15m (45') for 1080p/8-bit, and 1080p/12-bit
Max cable length RX to display 15m (45') for 1080p/8-bit, 10m (30') for 1080p/12-bit

Limited warranty 1 year parts and labor
Dimensions, inch WxDxH 4 x 4.2 x 1 inches (102 x 107 x 25 mm)
Net weight (TX / RX) 8.45 / 8.6 oz. (240g / 245g)
Operating temperature 0°C~40°C / 32°F~104°F
Storage temperature -20°C~60°C / -4°F~140°F
Relative humidity 20 ~ 90% RH (non-condensing)
ESD protection ±8kV (air-gap discharge, human body model)
ESD protection ±4kV (contact discharge, human body model))
Power consumption TX: 2W, RX: 6W
HDMI compliance 1.4 compliant with 3D, 4k x 2k support
HDCP compliance 1.1 compliant
Regulatory approvals HBT200T and HBT200R: FCC, CE, RoHS
AC power adapter (x2) 5V / 2.6A DC locking, USA
Regulatory Approvals US/EU standards, CE/FCC/UL certified