

HDMI on HDBaseT™ 1x3 Splitter



Features

- Extend HDMI video to 3 remote displays using HDBaseT™
- Use a single UTP cable to extend video to 100 meters (330 ft)
- Can send 1080p to 150 meters (500 ft) to Long Reach capable receivers
- Supports virtually all HDMI and DVI resolutions
- Local HDMI output for direct connection to a local display
- EDID management with USB port for EDID manipulation using a PC
- RS-232 port for sending commands to remote displays
- Power-over-HDBaseT™ meets IEEE 802.3af standard

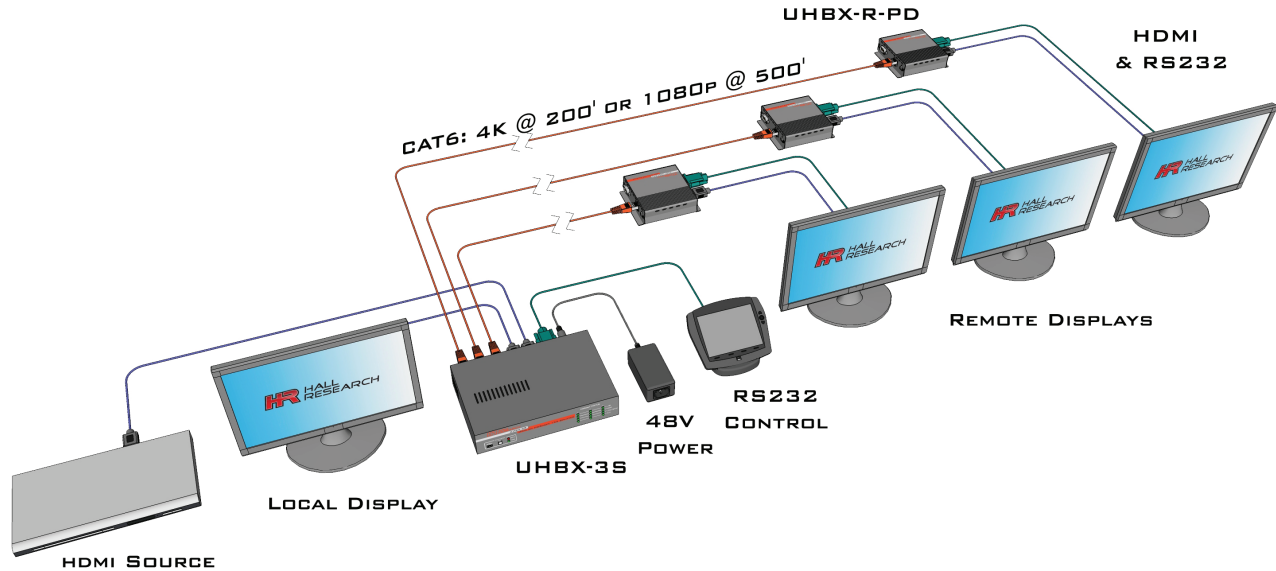
Description

The UHBX-3S is an HDMI splitter with one local HDMI output and 3 HDBaseT™ outputs for extension to compatible receivers up to 150 meters using a single UTP. The Splitter supports HDCP, 3D, Deep Color and CEC. EDID management is integrated into the unit with "Pass-thru", "Learn", and "Emulate" features. Advanced users can use the USB port to download, edit, and upload EDID data to and from the device. The unit provides an RS-232 port that can individually address and control remote displays that feature RS-232 interface. The UHBX-3S provides convenient front panel LED status indicators for all HDBaseT™ parameters to quickly verify proper operation.

The UHBX-3S supports PoH (Power over HDBaseT™). Compatible receivers are powered from the sender using PoH standard so no additional power supplies are needed. The HDBaseT™ compliant PoH performs all necessary low voltage handshakes prior to injecting supply on the UTP line for maximum reliability, safety, and compliance.

Compatible receivers include the economical UH-BT-R & UH-BTX-R for HDMI only OR UHBX-R-PD that supports RS-232, PoH, and Long Reach modes.

Block Diagram



Specifications

Input Port:	1x HDMI Female (Type A)
Output Port:	1x HDMI Female (Type A), 3 RJ45 connectors
Standards:	DVI (single link) and HDMI (compliant with HDMI 1.4 video specifications including 12 bit color depth and 3D video)
Signal Type:	HDBaseT
Connectors:	Locking HDMI
Video Resolutions:	DVI signal VGA (640x480) thru WUXGA (1920x1200)
HDTV signal	480i through 1080p
Audio Formats:	Supports 4K@60 Hz (4:2:0 8 bit color) or 4K@30 Hz (4:4:4 and 8 bit color)
DDC:	All HDMI Embedded Audio including: LPCM 7.1CH, Dolby TrueHD and DTS-HD Master Audio (32-192kHz sample rate)
CEC:	Pass-Thru DDC for reading EDID directly from remotely connected LCD and HDCP handshake
RS232:	Pass-Thru CEC for Consumer Electronics Control compatible devices
PoH:	Bidirectional (full-duplex) any baud rate up to 115,200
Power Supply:	Power-over-HDBaseT meets IEEE 802.3af standard. PD side identifies as Class 2 (3.84–6.49 watts). Actual power consumption of PD side is 5.5 watts max
Power:Sender:	100 VAC to 240 VAC, 50-60 Hz, external; 48VDC 1.5A, for internal & PoH
Temp/humidity:Storage:	10.15 watts maximum
Operating:	-40 to +158 °F (-40 to +70 °C) / 10% to 90%, non-condensing
Convection	+32 to +122 °F (0 to +50 °C) / 10% to 90%, non-condensing
Cooling:	Convection
Mounting:	Threaded nuts on bottom for rack-shelf mounting or optional rack ears
Enclosure Type:	Metal (Aluminum ends, Aluminum Extrusion)
Dimensions:	1.66" H x 8.42" W x 5.59" D (42mm H x 214mm W x 141mm D)
Product Weight:	Product – 2.5 lbs (0.386kg)
	Shipping – 3 lbs (0.681 kg)
Vibration:	ISTA 1A in carton (International Safe Transit Association)
Safety:	CE
EMI/EMC:	CE, FCC Class A
MTBF:	90,000 hours (Calculated Estimate)
Warranty:	3 years parts and labor