

HDX-Ultra

HDMI SOLUTION FAMILY

**Extend HDTV
over 330ft (100m)
with only one
CAT5 UTP Cable!**



Touchboards

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HDMI, IR and RS-232 Extender over a single CAT5 UTP Cable

Watch and Control HDTV 1080p video over 330ft (100m) from the source

The HDX-Ultra uses only one CAT5 UTP cable to extend HDMI signals such as HDTV output over 330ft (100m) from the source. It is capable of transmitting high-resolution HD video up to 1080p. Controlling your video source is easy with the HDX-Ultra's bi-directional IR and RS-232 extension. Whether it's for a home entertainment system or a commercial installation, the HDX-Ultra delivers flexibility and control.

FEATURES

- Extends HDMI output over one CAT5/5e/6 UTP cable
- Extends IR and RS-232 control signals for remote control
- Delivers uncompressed HD video up to 1080p@60Hz@48bits and 3D
- Data signals up to 3.4Gbps
- HDMI 1.3 and HDCP compliance
- IR and RS-232 communication are bi-directional
- Transmits high-quality Dolby TrueHD, DTS-HD MA audio signals
- Transmits 1080p resolution over 330 feet (100 meters) from the source



Made in the USA

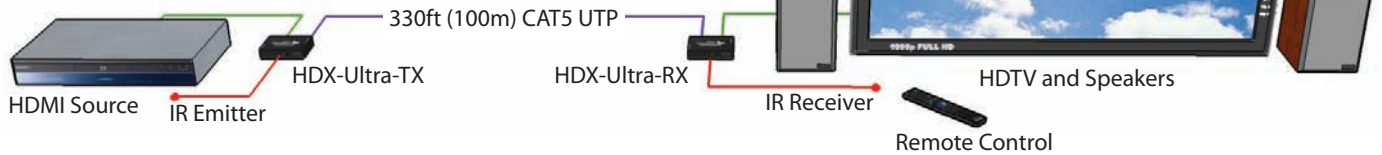
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SPECIFICATIONS

APPLICATION DIAGRAM

Possible applications include Home Theater, Corporate or Educational Presentations, Call Centers, Industrial (Long-Range Workstation Isolation), Information Terminals/Kiosks, Airport Installations (Air Traffic Control/Passenger Information), Educational Environments with remote displays



VIDEO

Format	HDMI 1.3 and HDCP compliant
HDTV Resolutions	480p, 720p, 1080i, 1080p/60Hz/48bit
TV Resolution	480i
Input Interface (TX)	HDMI Type A 19-pin Female TMDS
Output Interface (RX)	HDMI Type A 19-pin Female TMDS
Input Cable Length (TX)	Up to 40 ft.
Output Cable Length (RX)	Up to 40 ft.

AUDIO

Format	Dolby TrueHD, DTS-HD MA
Input Interface	HDMI (Integrated)
Output Interface	HDMI (Integrated)

IR

Signal Type	38 KHz
Interface	3.5 mm Jack Socket (Female)

RS-232

Baud Rate	Up to 19,200 bps
Input Interface (TX)	DB-9 (Serial) Female
Output Interface (RX)	DB-9 (Serial) Male

SYSTEM

Interface	RJ-45
Cable Requirements	CAT5/5e/6
Maximum Length	330 feet (100 meters)

OTHER

Power	External 100-240 VAC/5VDC2A @10W
Dimensions	5"W x 1.125"H x 4.125"D
Weight	0.6 lbs.
Approvals	UL, CE, ROHS Compliant
Operating Temp.	32-131°F (0-55 °C)
Storage Temp.	-4-185 °F (-20-85 °C)
Humidity	Up to 95%



HDX-Ultra-TX-Front

HDX-Ultra-TX-Rear



HDX-Ultra-RX-Front

HDX-Ultra-RX-Rear

ORDERING INFORMATION

Part No.	Description
HDX-Ultra-S	HDMI, IR, RS-232 Point to Point CAT5 Extender. Includes: [HDX-Ultra-TX, HDX-Ultra-RX, 2 x (PS5VD2A)]

Many leading companies have recognized and embraced the innovation of SmartAVI's technologies and have successfully incorporated them into their organizations. Clients of SmartAVI include:



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