What's in the Box?

PART NO.	QTY	DESCRIPTION
HDX-XT-S	1	(1) HDX-XT 4K Extender with USB 2.0 Transmitter and Receiver Unit(s); Quickstart Guide
PS12VDC1A	2	Power Supply DC 12V 1A

Technical Specifications

VIDEO	
Format	HDMI
Maximum Pixel Clock	165 MHz
Input Interface (TX)	(1) HDMI, (1) LAN, (1) USB-H, (1) IR-IN, (1) RS-232, (1) Optical (Spdif in), (1) Audio In
Output Interface (RX)	(1) HDMI, (1) LAN, (2) USB, (1) IR Out, (1) Audio Out, (1) RS-232, (1) Optical (Spdif out)
Resolution	480p, 720p, 1080i, 1080p/60Hz, 4K/30Hz
DDC	5 volts p-p(TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft.
Output Cable Length	Up to 20 ft.
USB	
Signal Type	USB 2.0
Input Interface (TX)	(1) USB-H
Output Interface (RX)	(2) USB
RS232	
Input Interface	Full duplex TXD, RXD signal
IR	
Frequency Response	30KHz to 80KHz
Input Interface (RX)	(1) 3.5 mm (Female)
Output Interface (TX)	(1) 3.5 mm (Female)
OTHER	
Power	DC 12V 1A
Dimensions	160 (W) X 97 (D) X 28 (H)
Weight	450g/TX, 450g/RX
Operating Temp.	32 - 104°F (0-40°C)
Storage Temp.	-4 - 140°F (-20 - 60°C)
Humidity	Up to 95%

NOTICE

For more information, visit www.smartavi.com.

Rack Mountable Option

Our SmartRack is the perfect solution to allow virtually all SmartAVI devices to be custom mounted in a standard 19" server rack. The SmartRack is fully adjustable and can secure/organize several devices.

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Installation Manual

HDX-XT
4K-ready PoE Cat5e/6 and USB 2.0 HD Extender

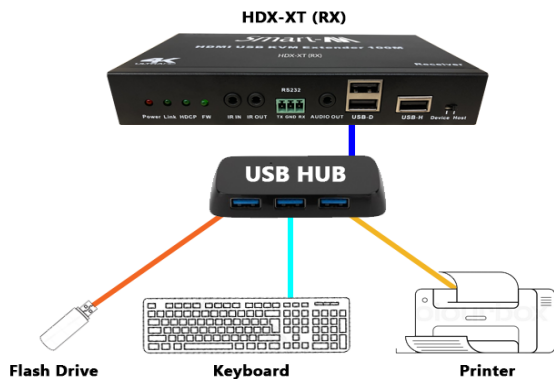# 4K Video and USB 2.0 KVM Extender

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Introduction

The HDMI USB KVM (Keyboard, Video, Mouse) Extender is a tool which can extend your HDMI signal over 328ft/100 meters to a compatible display. It is designed to convert an HDMI signal to standard extender signal, which can be transmitted by a CAT5e/CAT6/CAT7 cable. It also supports Transfer Bidirectional Infrared control signal and RS232 control signal. The HDX-XT also supports the connection of a USB host and (2) USB device ports.
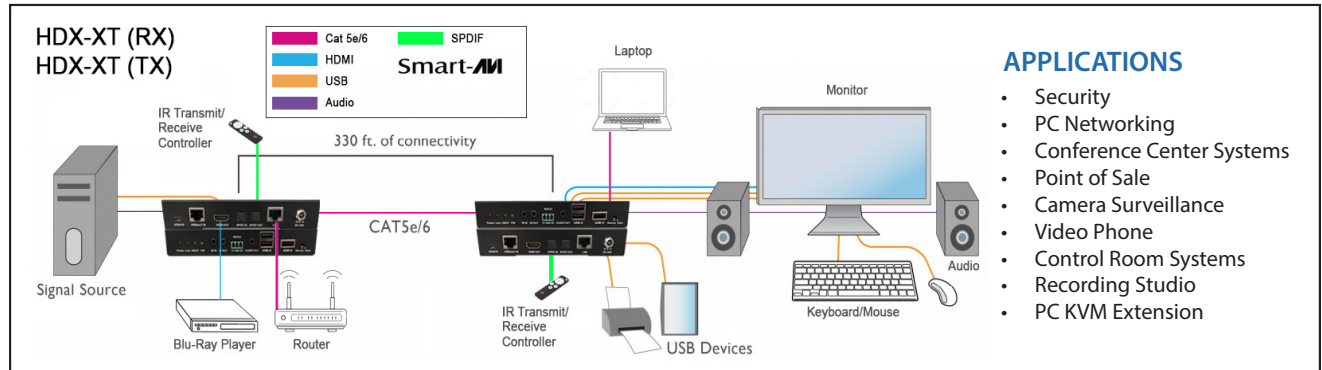
Features

- Zero pixel loss with TMDS signal correction
- Fully compliant with HDMI 1.4, and compatible with HDMI 2.0 (4K2K@60Hz with YCbCr 4:2:0)
- HDCP2.2 and DVI compatible.
- Extends signal over a single CAT5e/6/7 cable up to 100m/328ft.
- Supports pass-through of HD audio formats: LPCM2/5.1/7.1 CH, Dolby Digital, DTS, Dolby TrueHD, DTS-HD Master Audio
- POE (function support, either TX or RX powered 24V@1A
- Full HD support: 1080p@60Hz@24/36/48bit/pixels.
- Supports USB 2.0 control.
- Supports external Bi-Directional SPDIF IN/OUT and available for multichannel audio
- Supports stereo audio with PCM 2CH.
- Transfer Bidirectional Infrared control signal together with the HDMI signal.
- Transfer Bidirectional RS232 control signal together with the HDMI signal.

Connecting more USB devices:

If additional devices needed to be connected, connect a USB hub to the USB port of the receiver.

HDX-XT (RX)

Product - Installation Diagram

APPLICATIONS

- Security
- PC Networking
- Conference Center Systems
- Point of Sale
- Camera Surveillance
- Video Phone
- Control Room Systems
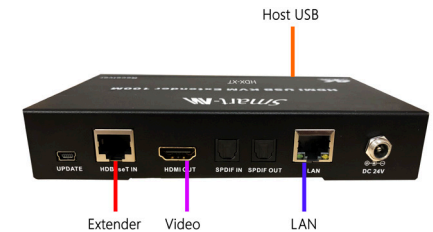- Recording Studio
- PC KVM Extension

Connecting the HDX-XT

1. Disconnect power from all devices involved with the installation.

2. Connect the display, keyboard, mouse, audio and USB devices to the ports identified for each item on the HDX-XT Receiver Unit.

3. Connect the Computer's Display output and USB port to the ports identified for each item on the HDX-XT Transmitter Unit.

4. Connect the HDX-XT Transmitter Unit to the HDX-XT Receiver Unit with an CAT5/5e/6 cable. For the best quality video use a single CAT5/5e/6 cable to connect the HDX-XT Transmitter to the Receiver. The HDX-XT is not designed to work with Routers, Switches or Hubs.

5. Power on the devices connected to the HDX-XT Receiver Unit.

6. Connect the power supplies provided for the HDX-XT Transmitter and Receiver and connect them both to power.

7. Power on the Computer.

HDX-XT (TX) Front

HDX-XT (TX) Rear

HDX-XT (RX) Front

HDX-XT (RX) Rear