

Professional HDMI KVM Extender over HDBaseT 2.0 with 4K/60Hz

Extend HDMI, USB 2.0 with RS-232 up to 150 meters (492 feet)



MPN: EXT-HDBTKVM100

The **KanexPro 4K HDBaseT 100 Meter Extender** is a professional USB 2.0 KVM function solution designed to extend HDMI, USB and Serial control over HDBaseT up to 100 meters over single cat5e/6 cable. USB PC can be remotely connected and share devices like touch panel and KVM. Featuring HDCP 2.2 with the latest HDMI specifications supporting ultra HD resolutions up to 4K @60Hz. This Extender supports multiple distances from 100-150 meter for supporting 4K@60 for 100meters or 1080p/60 for 150 meters and also provides serial interface for control panel.

Applications:

Ideal for applications such as Digital Signage where high-resolution video, audio and USB KVM function & data with diagnostics can be sent back to the computer from the QSR display or vice versa.

FEATURES

- Extend USB, 4K UHD video and audio up to 160 meters over HDBaseT
- USB KVM function supporting USB 2.0
- Distribute 4Kx2K@30Hz & 60Hz signals
- Supports standard 1080p & WUXGA
- Bi-directional power via PoH from Tx to Rx or vice versa
- HDCP 2.2 compliant
- CEC Pass-thru
- Smart 100m/150m extension switch for longer run over CAT6 output
- Supports latest High Speed HDMI 2.0
- Supports Dolby Digital, DTS, DTS-HD
- Bi-directional control over RS-232
- Front-panel LED's provides real-time I/O connection status
- Universal RS-232 code compatible with any 3rd party control systems
- Locking HDMI & power supply
- Removable mounting ear kits
- Internal universal power for worldwide compatibility

SPECIFICATIONS

Input: 1XHDMI, 2 XUSB-D, 1XRS232 serial, 1XHDBaseT

Output: 1xHDMI, 1xUSB-H, and 1XHDBaseT

Supported Video Resolutions:

- **4K:** 4096x2160 (30,50,60 Hz), 3840x2160 (24,25,30 50 60 Hz)
- **16:9:** 4K, 1920x1080(1080P 3D), 1600x900, 1366x768, 1280x720, 1024x576 (60Hz)
- **4:3:** 1600x1200, 1400x1050, 1280x1204, 1024x768, 800x600, 640x480 (60Hz)

EDID and DDC Management:

Built-in EDID data and manual management via DIP Switch and Display Data Channel (DDC) data using DVI and HDMI standards, EDID and DDC signals are actively buffered.

USB Version: High Speed 2.0

HDCP Version: HDCP2.2

Compliant with High-bandwidth Digital Content Protection (HDCP 2.2) using HDMI 2.0 standards. The built-in HDCP management technology can analyze HDCP key authentication, and realize handshake internally.

Video Amplifier Bandwidth: 10.2 Gbps

Color Depth: 12-bit per channel and xvYCC color space

Ethernet: RJ - 45 connections

RS-232: DB9 connector

IR: Default IR control

Power Supply: 24V DC@1A

Power Consumption: 13.3W

Standby: 4.4W

Operating Temperature: 0°C to +70°C

Regulatory Approvals: FCC, CE, and UL

Dimensions: W. 5.9" x H1.1" x D3.3"

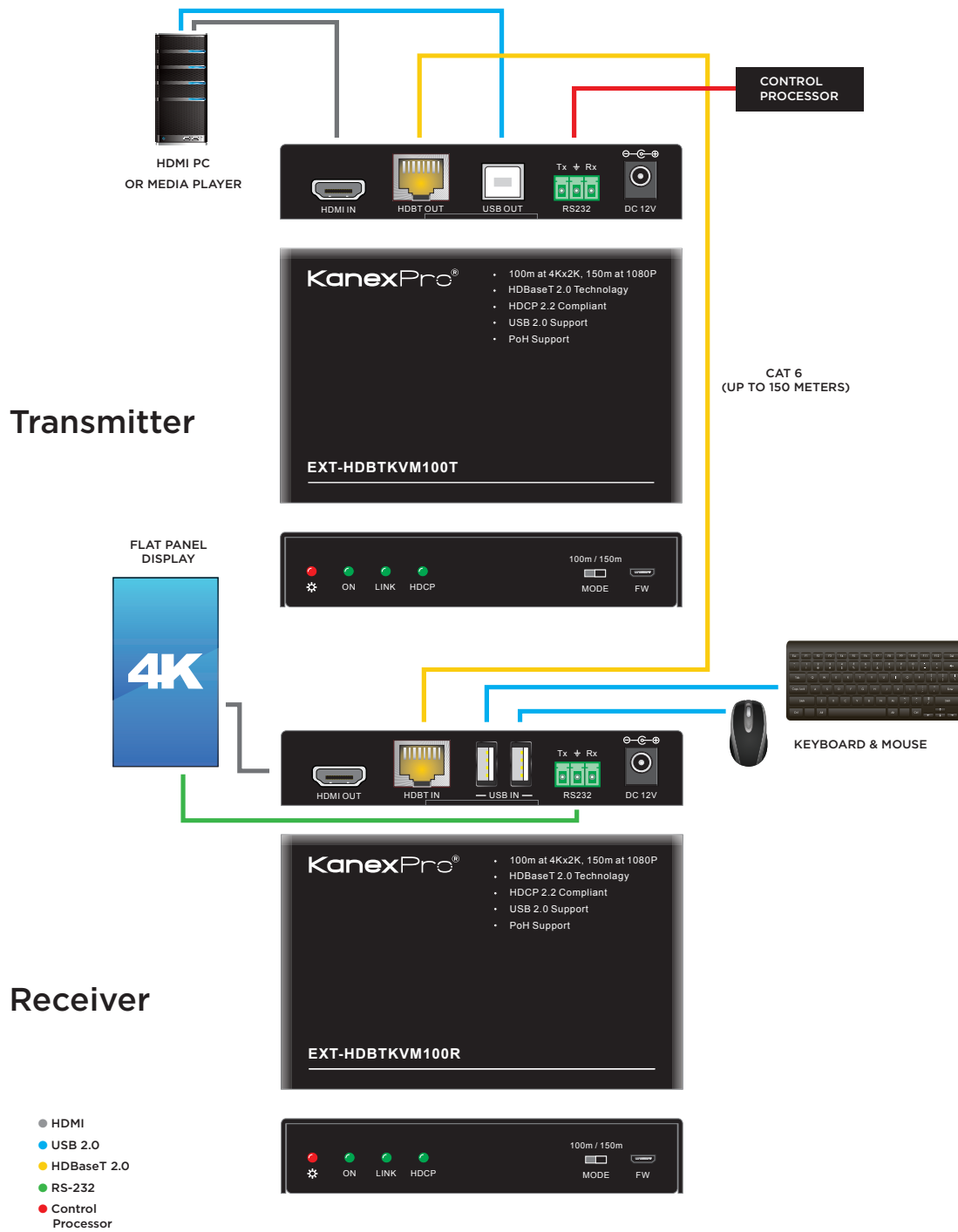
Weight: 1.78 lb. (0.8Kg)

Warranty: 3-year parts and labor

**4K
ULTRA HD**



Application Diagram



About KanexPro

KanexPro carries a broad selection of A/V connectivity products by leveraging the core strength in professional systems enabling you to broadcast, convert, extend, split, or multiply HD signal transmissions; simply and cost-effectively. KanexPro is a trademark. HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC in the United States and/or other countries. All other product or service names are the property of their respective owners.