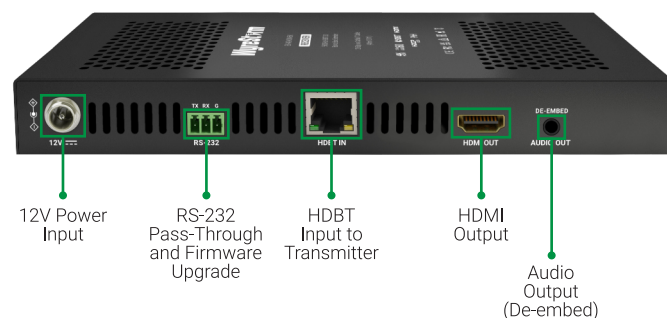
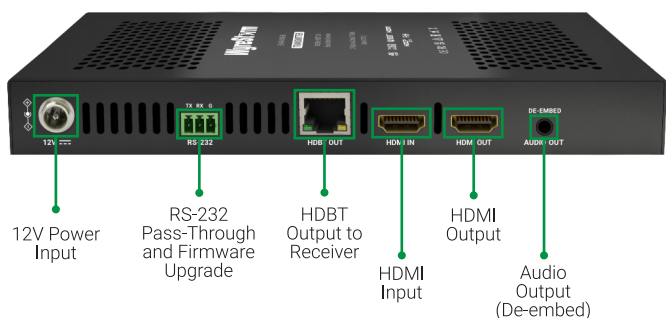
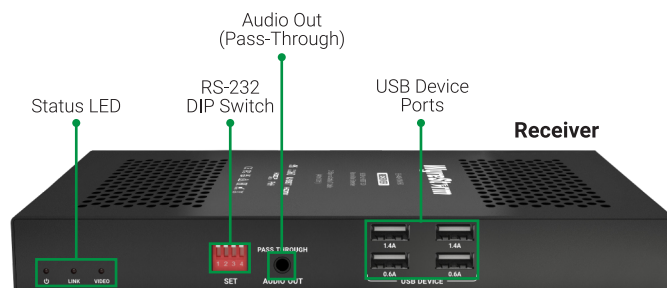
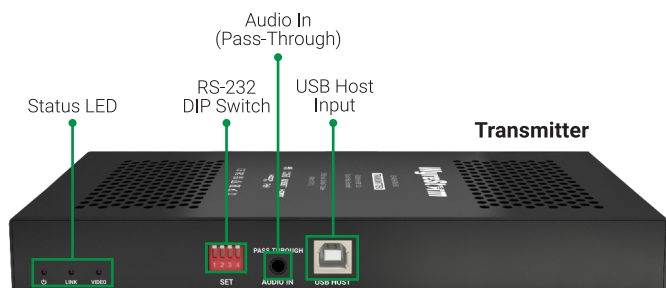


5K30Hz HDBT 3.0 Box to Box Extender Kit

EX-40-KVM-5K



WyreStorm - Powerful. Reliable. Simple.

Introduction

The EX-40-KVM-5K is an HDBT 3.0 extender kit that delivers uncompressed video up to 5K@30Hz and 5120x1440@60Hz, with full support for 4K@60Hz 4:4:4 and all HDR formats. It supports USB 2.0 pass-through with 1x USB-B on TX and 4 x USB-A on RX, making it ideal for KVM applications. Audio features include HDMI audio format support, analog audio pass-through from TX to RX, and de-embedding on both ends. An HDMI loop-out is provided on the TX for local preview. RS-232 port functions are configurable via DIP switch for control signal pass-through and firmware updates.

Key Features

- Supports HDMI 2.0b and HDCP 2.3
- Supports all HDR formats, including static HDR (HDR10, HLG) and dynamic HDR (Dolby Vision, HDR10+)
- Uncompressed HDMI 2.0 video transmission
- Fully supports audio formats in HDMI 2.0 specification, including PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X
- Support update FW through RS232 port (setup by DIP Switch)
- One-way standard PoH (from RX to TX), one power adapter connects to RX can power supply both TX and RX
- 4-pin DIP Switch for configuration and upgrade
- EDID copy from the display
- 12V/3A DC with US, EU, UK, AU Power cables included
- Mounting brackets included

In the Box

- 1x EX-40-KVM-5K KVM Transmitter
- 1x EX-40-KVM-5K KVM Receiver
- 1x DC 12V 3A with US/EU/UK/AU Cable
- 2x 3-pin 3.5mm Phoenix Male Connector
- 8x Mounting Brackets (with Screws)
- 1x USB2.0 Type-A to Type-B Cable
- 1x Quickstart Guide

Specifications

Audio and Video			
Inputs	Transmitter: 1x HDMI In: 19-pin Type A 1x Audio In 1x USB 2.0 type-B (Host) Receiver: 1x HDBaseT In: RJ45 4x USB 2.0 type-A (Devices)		
Outputs	Transmitter: 1x HDBT Out: RJ45 1x HDMI Out: 19-pin Type A 1x Audio Out Receiver: 1x HDMI Out: 19-pin Type A 1x Audio Out (Pass-through) 1x Audio Out (De-embed)		
Output Video Encoding	18Gbps		
Audio Formats	HDMI & HDBaseT: Fully supports audio formats in HDMI 2.0 specification, including PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X; Audio pass through & Audio de-embedding: PCM 2.0ch only		
Transmission Distance	Cat 5e/6 (UTP):	60m/197ft	1080p@60Hz 4:4:4 4K@30Hz 4:4:4
		40m/131ft	4K@60Hz 4:4:4
	Cat 6A/7 (U/FTP, F/FTP or S/FTP):	70m/230ft	1080p@60Hz 4:4:4 4K@30Hz 4:4:4
		40m/131ft	4K@60Hz 4:4:4
Video Resolutions (Max)	SMPTE: 1280x720p @60Hz, 1920x1080i @60Hz, 1920x1080p @240Hz, 3840x2160 @60Hz, 3840x2160 @120Hz (YUV420), 4096x2160 @60Hz, 4096x2160 @120Hz (YUV420), 5120x1440 @60Hz, 5120x2160 @30Hz VESA: 800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1440x900@60Hz, 1600x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@144Hz, 2560x1440@144Hz, 2560x1600 @60Hz, 2560x1600 @120Hz(YUV420), 3440x1440 @100Hz 3840x1080@100Hz 3840x 1440@60Hz		
Data Rate	HDMI & HDBT: Up to 18Gbps USB 2.0: Up to 350Mbps		
Supported Standards	DCI (4096x2160) RGB HDR HDR10 Dolby Vision HLG BT.2020 CEC HDBT 3.0		
Maximum Pixel Clock	600MHz		
Power			
Power Supply	12V		
Power Consumption	18.96W		
Environmental			
Operating Temperature	0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing		
Storage Temperature	-20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing		
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)		
Dimensions and Weight			
Height	25mm/0.98in		
Width	215mm/8.46in		
Depth	120mm/4.72in		
Weight	1.709kg/3.77lb		
Safety and Emission	CE FCC RoHS RCM EAC UKCA		

Note: WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.

Warranty Information

WyreStorm Technologies ProAV Corporation warrants that its products to be free from defects in material and workmanship under normal use for a period of five (5) years from the date of purchase. Refer to the Product Warranty page on wyrestorm.com for more details on our limited product warranty.

