

4K60 HDMI KVM EXTENDER

HDMI 2.0b, 4K60, Local Out, USB 1.1, PoC, 70m

Model: DSG-KEX-70SK



This 18Gbps HDMI Extender extends HDMI 4K signals up to 70m (230 feet) using a single CAT6/6a cable, enabling zero-delay, uncompressed long-distance transmission between the Transmitter and Receiver. It supports video resolutions up to 4K@60Hz and features KVM signal pass-through for remote control of the source device at the display. Additionally, it offers EDID copy pass-through functionality between the source and display devices, along with support for Power Over Cable (POC). This versatile Extender is ideal for use in multimedia conference halls, TV teaching, and large-screen displays.

- ☆ HDMI 2.0b and HDCP 2.2 compliant
- ☆ Supports 18Gbps video bandwidth
- ☆ Supports video resolutions up to 4K@60Hz RGB/YCBCR 4:4:4
- ☆ Transmission distance can be extended up to 230ft / 70m via a single CAT6/6a cable
- ☆ Supports HDR, HDR10, HDR10+, Dolby Vision, HLG
- ☆ Audio formats: LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus
- ☆ Supports 3.5mm analog audio de-embedding; audio is output through the L/R OUT port of the Receiver
- ☆ EDID copy pass-through function between the source device and display device
- ☆ Supports bi-directional PoC (Power over Cable) function
- ☆ Includes USB KVM pass-through function; USB1.1 compliant supporting remote HID keyboard and mouse
- ☆ Compact design for easy and flexible installation

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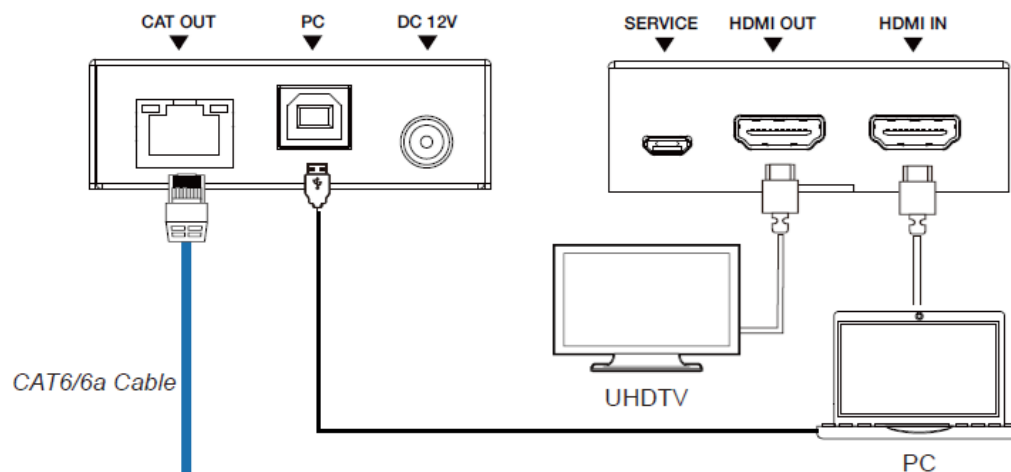
SPECIFICATIONS

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	18Gbps
Video Resolution	Up to 4K@60Hz RGB/ YCbCr 4:4:4
Transmission Distance	4K@60Hz 4:4:4--70m, 1080P--70m (CAT6 cable)
Color Space	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12bit
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio Formats	LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, DD-Plus
Connections	
Transmitter	Input: 1 x HDMI IN [Type A, 19-pin female] Output: 1 x HDMI OUT [Type A, 19-pin female] Control: 1 x SERVICE [Micro-USB jack] 1 x USB Port [USB 1.1 Type B] Network: 1 x CAT [RJ45, 8-pin female]
Receiver	Output: 1 x HDMI OUT [Type A, 19-pin female] 1 x L/R OUT [3.5mm Stereo Mini-jack] Control: 1 x SERVICE [Micro-USB jack] 2 x USB Port [USB HID Type A] Network: 1 x CAT [RJ45, 8-pin female]
Mechanical and Environmental	
Housing	Metal Enclosure
Colour	Black
Dimensions	Transmitter / Receiver: 90mm (W) × 68mm (D) × 22mm (H)
Weight	Transmitter: 170g, Receiver: 169g
Power Supply	DC 12V/1A; supports bi-directional PoC functionality
Power Consumption	4.2W (Max)
Operating Temperature	32°F to 104°F / 0°C to 40°C
Storage Temperature	-4°F to 140°F / -20°C to 60°C
Relative Humidity	20 to 90% RH (non-condensing)

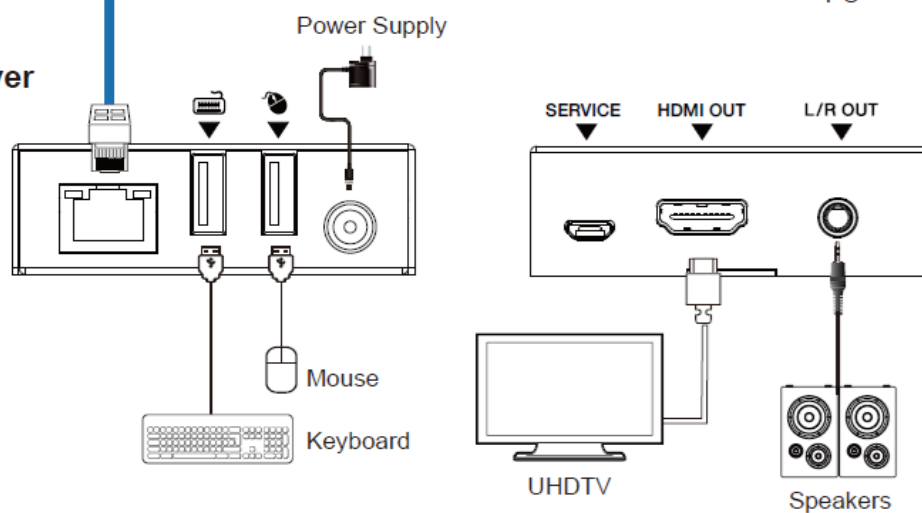
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CONNECTION DIAGRAM

Transmitter



Receiver



PACKAGE CONTENTS

- ① 1 × HDMI KVM Extender (Transmitter)
- ② 1 × HDMI KVM Extender (Receiver)
- ③ 1 × USB-A to USB-B Cable (1.5m)
- ④ 4 × Mounting Ears
- ⑤ 8 × Machine Screws (KM3*4)
- ⑥ 1 × 12V/1A Locking Power Adapter
- ⑦ 1 × User Manual

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WARRANTY

- Standard 1-Year Limited Warranty, unless otherwise specified by Sales.
- Optional Advance Replacement Warranty is available upon request

ORDERING INFORMATION

Part Number	Descriptions
DSG-KEX-70SK	4K60 HDMI KVM Extender with Local Out, USB 1.1, PoC, 70m
(OPTIONAL)	
VDC-HCL20-001M	Premium High Speed HDMI 2.0 Type A (Male) to Type A (Male) Cable with Ethernet, 4K60, 18Gbps, LSZH, 1m
VDC-HCL20-002M	Premium High Speed HDMI 2.0 Type A (Male) to Type A (Male) Cable with Ethernet, 4K60, 18Gbps, LSZH, 2m
VDC-HCL20-003M	Premium High-Speed HDMI 2.0 Type A (Male) to Type A (Male) Cable with Ethernet, 4K60, 18Gbps, LSZH, 3m

CONTACT INFORMATION

For more information, please visit our website or contact our customer service team:

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