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; supports remote-control by keyboard and mouse

☆   Compact design for easy and flexible installation
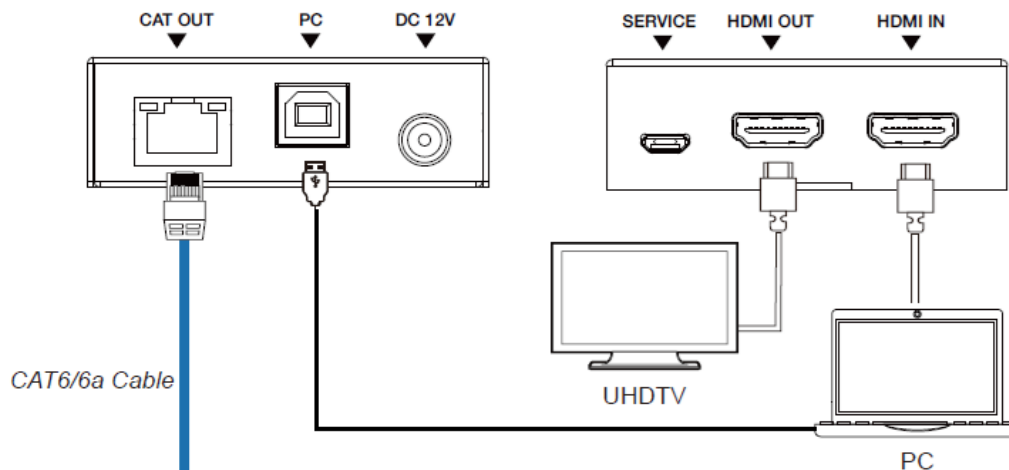
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SPECIFICATIONS

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]
	Controls:	1 x SERVICE [Micro-USB jack] 1 x USB Port [USB Type B]
	Network:	1 x CAT [RJ45, 8-pin female]
Receiver	Outputs:	1 x HDMI OUT [Type A, 19-pin female] 1 x L/R OUT [3.5mm Stereo Mini-jack]
	Controls:	1 x SERVICE [Micro-USB jack] 2 x USB Port [USB Type A]
	Network:	1 x CAT [RJ45, 8-pin female]

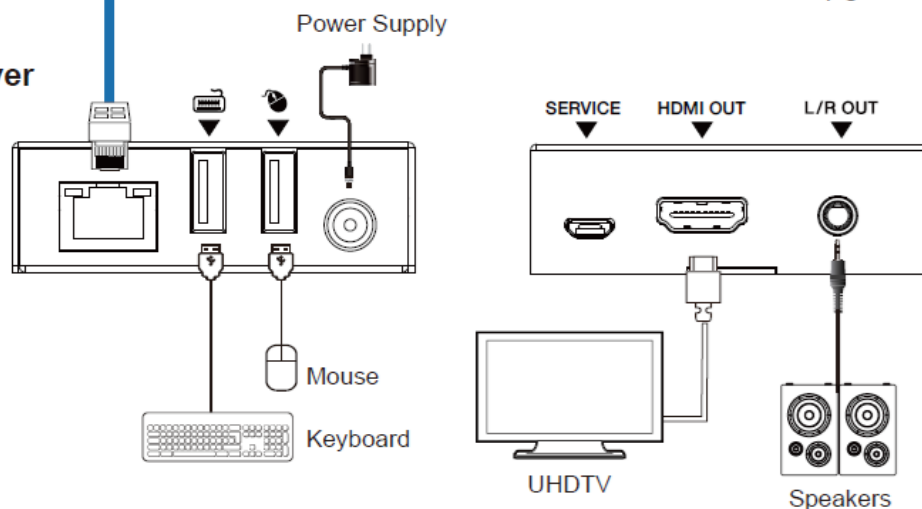| Mechanical and Environmental	
Housing	Metal Enclosure
Colour	Black
Dimensions	Transmitter / Receiver: 90mm (W) × 68mm (D) × 22mm (H)
Weight	Transmitter: 170g, Receiver: 169g
Power Supply	DC 12V/1A; supports bi-directional PoC functionality
Power Consumption	4.2W (Max)
Operating Temperature	32°F to 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

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

DISCLAIMER

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