VIDEO EXTENDER

1080P HDMI, Local Out, 2-Way IR, 150m

Model: DSG-HDMI-1080C

This 1080p HDMI Extender can extend HDMI video/audio signals and bi-directional IR control signals up to 150 m (492 ft) over CAT6/6a cable, enabling zero-delay, uncompressed long-distance transmission between the signal source and the display device. Video resolution supports up to 1080p@60Hz, and audio format supports up to PCM 2.0. The product features a built-in EDID function.

This multi-functional product can be widely applied in demonstrations, video conferences, multimedia teaching, and other occasions.

- ☆ Compliant with HDCP 1.4
- ☆ Video bandwidth up to 4.95 Gbps
- ☆ Supports video resolutions up to 1080p@60Hz and 1920×1200@60Hz, as specified in HDMI 1.3
- ☆ Transmission distance up to 150 m (492 ft) over CAT6/6a cable
- ☆ Supports bi-directional IR pass-through
- ☆ Supports audio formats up to 2 Channel PCM 2.0
- ☆ With built-in EDID

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SPECIFICATIONS

Technical		
HDMI Compliance	HDMI 1.3	
HDCP Compliance	HDCP 1.4	
Video Bandwidth	4.95Gbps	
Video Resolution	Up to 1080P@60Hz, 1920x1200@60Hz	
Colour Space	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2	
Colour Depth	8-bit	
Audio Formats	PCM 2.0	
IR Level	5Vp-p	
IR Frequency	Wideband 20K-60KHz	
Transmission Distance	150m/492ft for 1080p@60Hz over CAT6/6a cable	
ESD Protection	IEC 61000-4-2: ±8kV (air-gap discharge) & ±4kV (contact discharge)	
Connections		
Transmitter	Input:	1 x HDMI IN [Type A, 19-pin female] 1 x IR IN [3.5mm Mini-jack]
	Output:	1 x HDMI OUT [Type A,19-pin female] 1 x IR OUT [3.5mm Mini-jack]
	Network:	1 x CAT OUT [RJ-45]
Receiver	Input:	1 x IR IN [3.5mm Mini-jack]
	Output:	1 x HDMI OUT [Type A, 19-pin female] 1 x IR OUT [3.5mm Mini-jack]
	Network:	1 x CAT IN [RJ-45]
Mechanical and Environmental		
Housing	Metal Enclosure	
Colour	Black	
Dimensions	Transmitter / Receiver: 74mm (W) × 68mm (D) × 20mm (H)	
Weight	Transmitter: 170g, Receiver: 170g	
Power Supply	DC 5V/1A	
Power Consumption	Transmitter: 1.5W (Max), Receiver: 1.35W (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	
Operating Humidity	20 to 80% RH (non-condensing)	
Storage Humidity	10 to 90% RH (non-condensing)	

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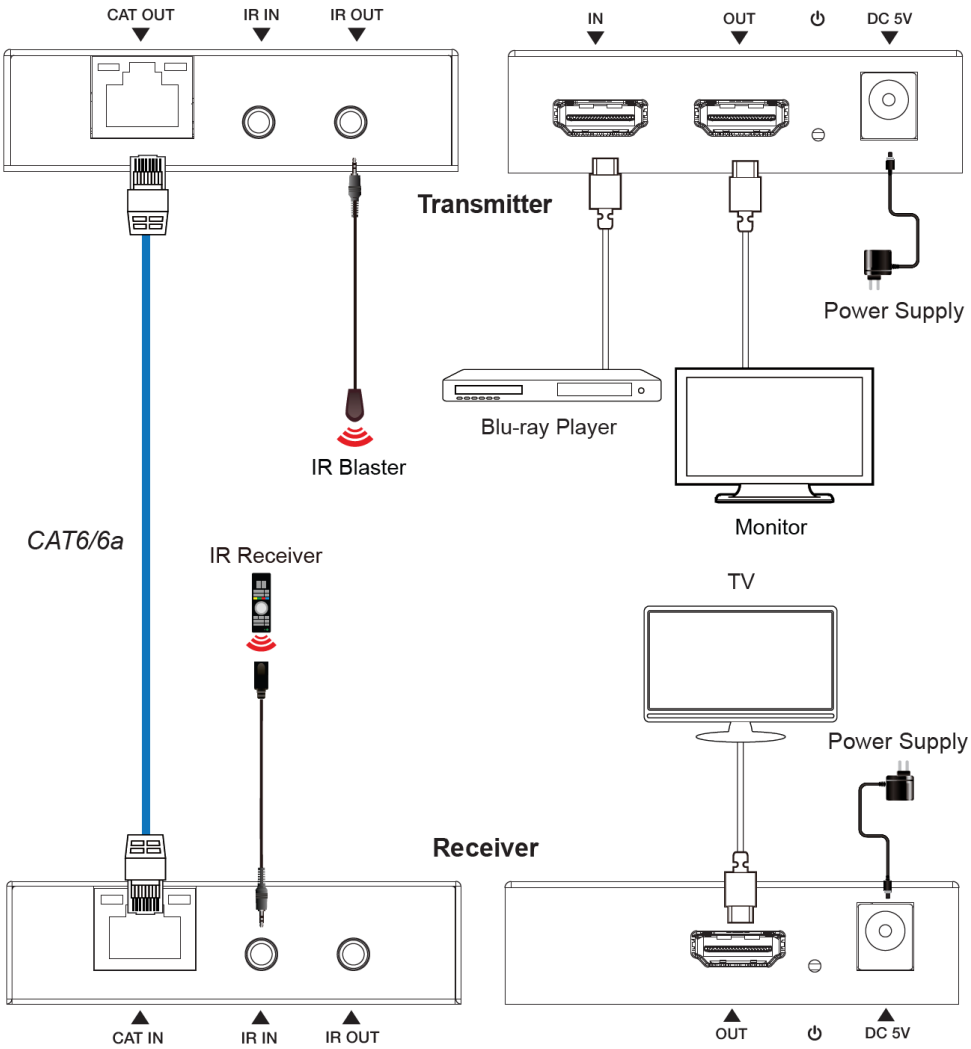
CONNECTION DIAGRAM



Front and Rear Panel Views

Transmitter Receiver

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PACKAGE CONTENTS

① 1 × HDMI Video Extender (Transmitter)
② 1 × HDMI Video Extender (Receiver)
③ 1 × IR Blaster cable (1.5 meters)
④ 1 × IR Wideband Receiver cable (1.5 meters)
⑤ 2 × 5V/1A Power Adapter
⑥ 1 × User Manual

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-HDMI-1080C	1080P HDMI Video Extender over CATx with Local Out, 2-Way IR, 150m
(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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