

Specifications

HDMI Model	Local Unit		Remote Unit	
	Single-Mode (S-M)	Multi-Mode (M-M)	Single-Mode (S-M)	Multi-Mode (M-M)
Input	HDMI x 1		N/A	
Output	N/A		HDMI x 1	
Top Panel LEDs (Power/ Connection) Status	Dual Color x 1		Dual Color x 1	
IR Control Jack	IR Transceiver x 1		IR Receiver x 1	
Video Resolution (max.)	Full HD (1920 x 1080) WUXGA (1920 x 1200)			
Extension Distance	1000M (1080p)			
	800M (1080p)			
Connection	S-M / M-M Fiber Optics			
	M-M Fiber Optics			
Power Supply	DC 9~12V, 1.5A			
Weight (g)	440		445	
H x W x D (mm)	25 x 96 x 130 (each Unit)			

DVI Model	Local Unit		Remote Unit	
	Single-Mode (S-M)	Multi-Mode (M-M)	Single-Mode (S-M)	Multi-Mode (M-M)
Input	DVI x 1		N/A	
Output	N/A		DVI x 1	
Top Panel LEDs (Power/ Connection) Status	Dual Color x 1		Dual Color x 1	
IR Control Jack	IR Transceiver x 1		IR Receiver x 1	
Audio Jack (Speaker+ MIC)	Input x 1 set		Output x 1 set	
Video Resolution (max.)	Full HD (1920 x 1080) WUXGA (1920 x 1200)			
Extension Distance	1000M (1080p)			
	800M (1080p)			
Connection	S-M / M-M Fiber Optics			
	M-M Fiber Optics			
Power Supply	DC 9~12V, 1.5A			
Weight (g)	490		500	
H x W x D (mm)	25 x 96 x 130 (each Unit)			

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Before Installation

- Determine where the Local and Remote Unit will be located
- Use SC to SC duplex Multimode fiber optics cable (50/125 or 62.5/125) for the interconnection between Local and Remote Unit
- Make sure that the Fiber cable length is long enough for the connection between the Local Unit and the Remote Unit to prevent having to splice fiber. Try to complete the installation in one pull.
- The Extender is HDCP compliant and required to use the HDCP-compliant display when it is connecting to the HDCP video source.
- Never attempt to disassemble or reassemble the enclosure for any purpose. This may cause personal injury and/or property damage.

Installation

Users can connect the video source to the Local Unit, connect the monitor to the Local Unit and/or Remote Unit, and use a SC to SC duplex multi-mode fiber optics cable for the SC-SC fiber port connection between the Local and Remote Unit. After all device connections are completed, connect the provided power cord into an appropriate power source and plug the opposite end into the power connector on the Unit to power up.



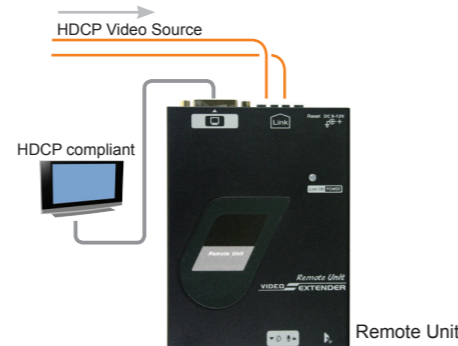
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Operation

The LEDs on the Extender Units show the real-time status indicating the linking and communication between the Local Unit and Remote Unit. Users can identify the present status through the LED indicator on the top.

The quality of the output signal will depend largely upon the quality of video source, cable and display device used. Low quality cables degrade output signal causing elevated noise levels. Please use the proper cable and make sure the display device is capable of handling the resolution and refresh rate selected.

NOTE: The system will disable the video output signal when it detects non-HDCP compliant display(s) on playing the HDCP video source. All the connected output displays MUST be HDCP compliant, when the video source is HDCP compliant.



- Prior to the installation, ensure to power off all devices that will be connected to this system.
- Place cables away from fluorescent lights, air conditioners, and machines that are likely to generate electrical noise

Considerations on Duplex Multi-Mode Optical Fiber Installation

1. The OM3 multi-mode untwisted-pair fiber optics cable (50/125 and 62.5/125) terminated with SC duplex connectors is recommended to use for the interconnection between Local Unit and Remote Unit. The table below shows the specifications.

Cable Type	Multi-Mode (M-M)				Single-Mode (S-M)	
	50/125µM	62.5/125µM	9/125µM	9/125µM	9/125µM	9/125µM
Cable Diameter (micron)	50/125µM	62.5/125µM	9/125µM	9/125µM	9/125µM	9/125µM
Video Signal	1080p	1080i	1080p	1080i	1080p	1080i
Max. Cable Length (meter)	Single-Mode (S-M) model	1000	1200	450	550	1000
	Multi-Mode (M-M) model	800	1200	350	450	--

2. Users may need to order appropriate cable lengths conforming to the application environment; however, the maximum cable length should not exceed certain meters (refer to the table above); otherwise, the signal degradation may occur especially for video resolution.
3. Do not exceed the cable bend radius. Fiber optic cable can be broken when kinked or bent too tightly, especially during pulling.
4. Do not twist the cable. Twisting the cable can stress the fibers. Tension on the cable and pulling ropes can cause twisting.
5. Don't look into the ends of any fiber optic cables. Exposure to invisible laser radiation may result.
6. Follow the cable manufacturer's recommendations. Fiber optic cable is often custom designed for the installation and the manufacturer may have specific instructions on its installation.

Caution

Do not stare into beam or view directly into the ends of any fiber optic cables. Exposure to invisible laser radiation may result. The laser beam can cause injury to the eye.

Features

- HDTV compatible
- Extend the single-link DVI (HDMI) signal up to 800 meters @ 1080p far away via fiber optics multi-mode technology
- Support stereo audio (DVI model)
- IR extension available
- Fully compliant with HDMI 1.3b specification (HDMI model)
- HDCP compliant and Blu-ray ready
- Completely free of Electromagnetic Interference (EMI)

Package Contents

Extender Local Unit	x 1
Extender Remote Unit	x 1
Power Adapter Set	x 2
Power Adapter with necessary AC Cord or Plug-in Power Adapter	
User's Manual	x 1
Multi-mode SC-SC duplex Fiber Optic Cable (for test)	x 1
Foot Pad Set	x 1

Optional:

IR External Sensor Kit	x 1 set
1.8M DVI+Audio / HDMI Cable	

System Requirements

1. HDCP compliant monitors with HDMI interface for the HDCP video source
2. DVI/ HDMI cable

User's Manual

VIDEO Extender



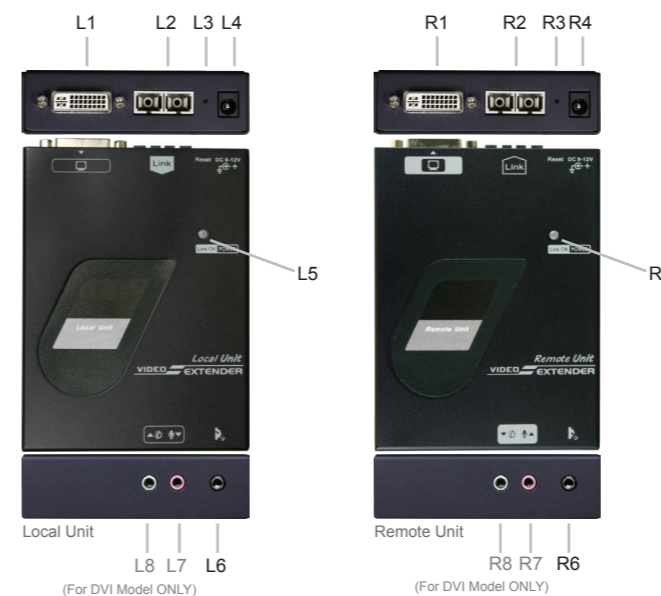
Model		Input		Output		Audio	Max. Resolution Extension Distance
		DVI HDMI	Fiber	DVI HDMI	Fiber		
DVI (M-M)	Local Unit	1	N/A	N/A	1	Yes	1920 x 1080 @ 800M
	Remote Unit	N/A	1	1	N/A	Yes	1920 x 1200 @ 800M
DVI (S-M)/(M-M)	Local Unit	1	N/A	N/A	1	Yes	1920 x 1080 @ 1,000M
	Remote Unit	N/A	1	1	N/A	Yes	1920 x 1200 @ 1,000M
HDMI (M-M)	Local Unit	1	N/A	N/A	1	Yes	1920 x 1080 @ 800M
	Remote Unit	N/A	1	1	N/A	Yes	1920 x 1200 @ 800M
HDMI (S-M)/(M-M)	Local Unit	1	N/A	N/A	1	Yes	1920 x 1080 @ 1,000M
	Remote Unit	N/A	1	1	N/A	Yes	1920 x 1200 @ 1,000M

- The final specification is the actual product based.
- Features and functions may be added or changed after the manual was written. Please visit our website to download the latest version of manual for reference.

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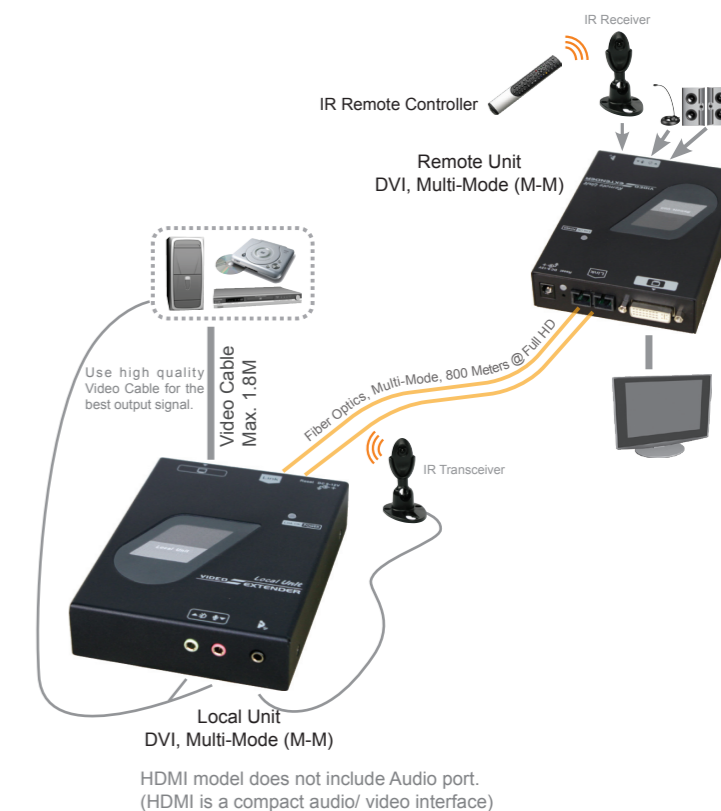


Product Description



L1	Video Connector	Connect to the DVI/ HDMI source
R1	Video Connector	Connect to the DVI/ HDMI monitor
L2	SC-SC Fiber Interface	Use Multi-mode optical fiber for the extender connection
L3	Reset Button	Video signal reset button
L4	Power Supply	Apply the proper power to the unit
L5	LED Indicator	Green: Power On Blue: Connect to a powered-on extender unit
L6	IR Control Jack	Plug the external sensor (L6: Transceiver / R6: Receiver) here
L7	Audio Jack	MIC jack (for DVI model only)
L8	Audio Jack	Speaker jack (for DVI model only)

Connection Patterns



HDMI model does not include Audio port. (HDMI is a compact audio/ video interface)