

## VersiVision - HDMI Video System

**HDMIT1005-UE**  
**HDMIR1005-UE**

### Product Features

- HDMI High Definition Video Transmission
- MJPEG Compressed Video Transmission
- Supports all video resolutions from 640x480 to 1080P
- Supports Point-to-Point or Cascading
- LED Indicators for Monitoring Operation Status
- USB Control of Mouse and Keyboard
- Transmit up to 30km without Optical Attenuation
- No Electrical or Optical Adjustments Required
- Stand-Alone or Rack-Mount in FVC18 Chassis



### Product Description

The VERSITRON **VersiVision** HDMI video transmitter and receiver system supports 1-channel of high definition HDMI video, 1-channel of 10/100Base Ethernet, and USB mouse and keyboard control over one-strand of single-mode optical fiber. Fully compliant with all video resolutions from 640x480 to 1080P, the HDMI video system ensures the highest performance for most HDMI video applications. The hot-pluggable and adjustment free design allows for easy installation and operation. A typical installation utilizes a *transmitter* unit at the video source end of the link, connected via fiber optic cable, to a *receiver* unit at the monitoring end of the link. Devices are available for either stand-alone or rack-mount installation with the FVC18 18-Slot Chassis.

### Product Models

Model Number	Function	Connector	Fiber Cable	Wavelength	Max Distance
HDMIT1005-UE	Transmitter	ST Simplex	SM	1310nm	30 km
HDMIR1005-UE	Receiver	ST Simplex	SM	1550nm	30 km

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### Technical Specifications

#### VIDEO

Signal Type:	HDMI
	HDMI 1.2/1.3/1.4 & HDCP 1.1/1.2
Video Resolution:	VES@CEA-861
	640x480, 720x576, 800x600, 1024x600, 1024x768, 1152x864, 1280x600, 1280x720, 1280x768, 1280x800, 1280x960, 1280x1024, 1440x1050, 1440x900, 1600x900, 1660x1200, 1680x1050, 1920x1080
Protocol:	TCP/IP

#### OPTICAL

Fiber Type:	9/125 Single-Mode
Optical Emitter:	Laser Diode
Wavelength:	HDMIT1005-UE: 1310/1550nm HDMIR1005-UE: 1550/1310nm
Number of Fibers:	1

#### CONNECTORS

Optical:	ST
Video & Audio:	HDMI
Ethernet:	RJ45
Mouse & Keyboard:	USB

#### GENERAL

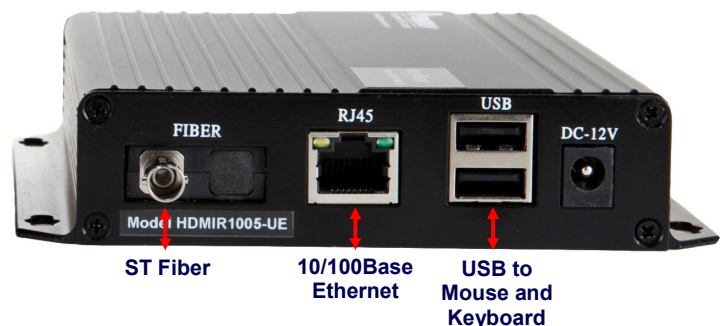
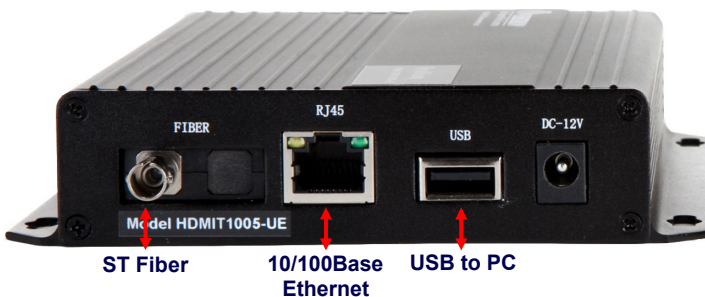
Power Supply:	12 VDC, 2A
Dimensions:	5.98 x 5.12 x 1.13 Inches 152 x 130 x 28.8 mm
MTBF:	> 100,000 Hours
Operating Temperature:	-35° C to +65° C
Storage Temperature:	-45° C to +85° C
Relative Humidity:	0% to 95% (non-condensing)

Front Panel View



HDMIT1005-UE Rear Panel View

HDMIR1005-UE Rear Panel View

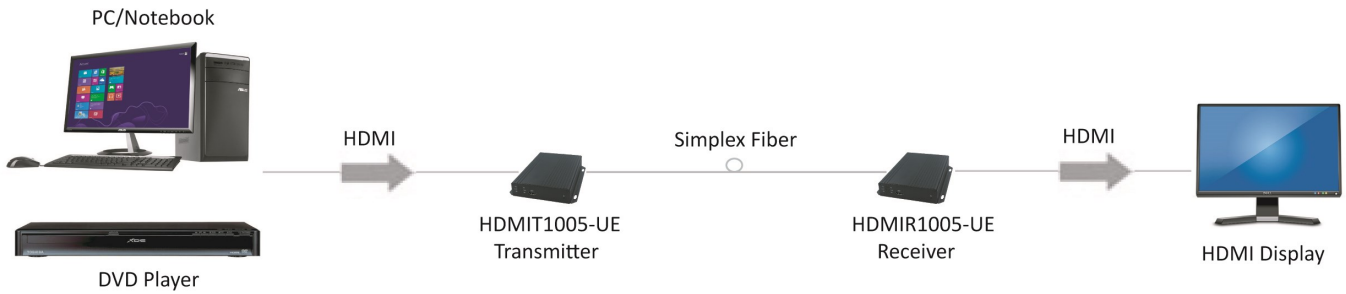


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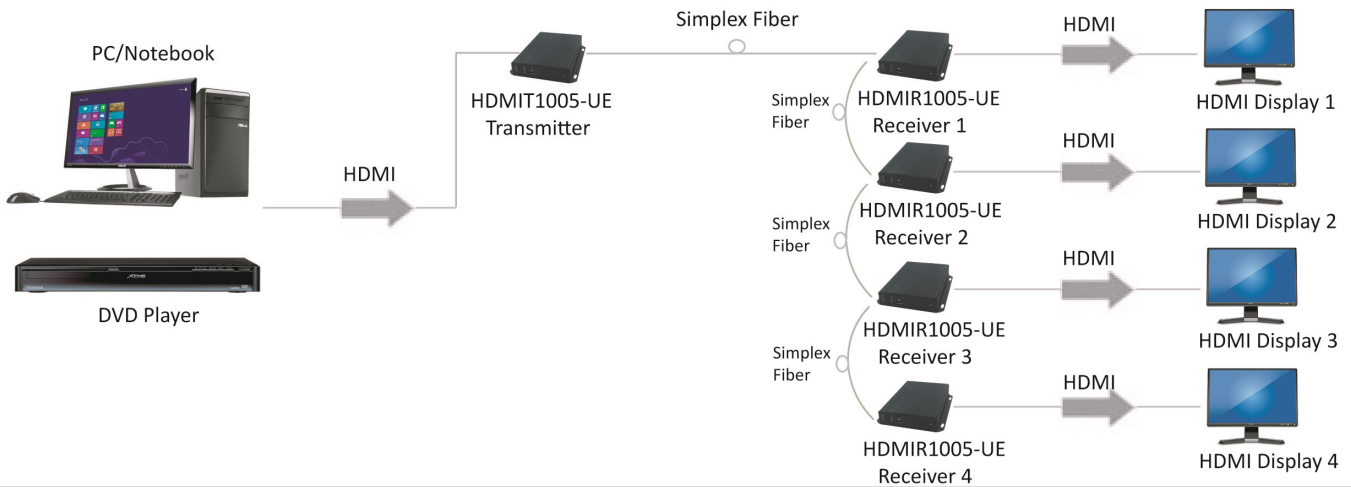
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**Application Examples**

Point-to-point HDMI Application



Cascading HDMI Application



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**Wiring Diagram**

