HDI-SCTX-200M-1
HDI-SCRX-200M-1
1920x1080, 200 m

OptixCom
Connect with Light
Optical HDMI Extender Modules

Description

Built upon OptixCom's optical transceiver technology, the HDMI extender module is optimized for sending and receiving high definition video signals. Proprietary digital design is utilized to ensure video transmission over fiber with minimum distortion and interference.

This module is optimized for HDMI video signals using 850 nm VCSEL technology and multimode fibers. Standard HDMI type A and dual SC interface connectors are built in for easy installation. It is designed to send signals from the TX module to the RX module in a one-way direction.

OptixCom's optical HDMI modules support industry standards such as TDMS, DDC, CEC, and HPS signals. It's also HDCP compliant.

This optical HDMI extender supports up to 1920 x 1080 resolution and 200 m distance with 62.5/125 um multimode fibers.

Lead-Free

HDI-SCTX-200M-1
HDI-SCRX-200M-1

~ Fiber cables not included ~

Key Features

- 850 nm technology with dual SC multimode fiber
- Up to 1920x1080 resolution and 200 m distance
- TMDS, DDC, CEC, and HPD compliant
- HDCP compliant
- 100 – 240 VAC to 5 VDC power supply included
- RoHS compliant, CE and FCC approved
- Compact size: 145 x 95 x 26 mm

Applications

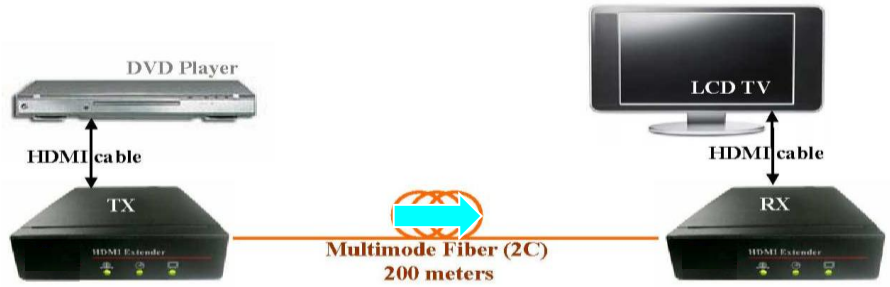
- ✓ PC to monitor
- ✓ DVD or video game player to LCD TV
- ✓ Video surveillance link
- ✓ Remote monitor for warehouse and control
- ✓ Home entertainment systems

Ordering Information

Part Number: HDI-SCTX-200M-1
Optical HDMI TX module, 200 m, -10-50°C

Part Number: HDI-SCRX-200M-1
Optical HDMI RX module, 200 m, -10-50°C

System Application Example



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Operating Conditions

Parameter	Min.	Typical	Max.	Units
Operate Temperature	-10	25	50	°C
Storage Temperature	-20	25	75	°C
Supply Current (TX)	---	600		mA
Supply Current (RX)	---	600		mA

Package List

1.HDI-SCTX-200M-1 optical HDMI TX module - 1 unit
2.HDI-SCRX-200M-1 optical HDMI RX module - 1 unit
3.5V AC/DC power supply - 2 units
4.HDMI Type A cables – not included and ordered separately.
5.Dual SC fiber cables – not included and ordered separately.

Installation Procedure

1.Install two SC fiber cables into the TX and RX modules. Make sure to match the same fiber cable from the TX to RX modules to establish a compete TX-RX link.
2.Connect the HDMI cables from the video source (PC, DVD player …) to the HDMI TX module and from the HDMI RX module to the display device (monitor).
3.Connect power supply to the AC power outlet and to the TX and RX modules.
4.Turn on the video source and display device. Adjust the display resolution for best viewing.

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