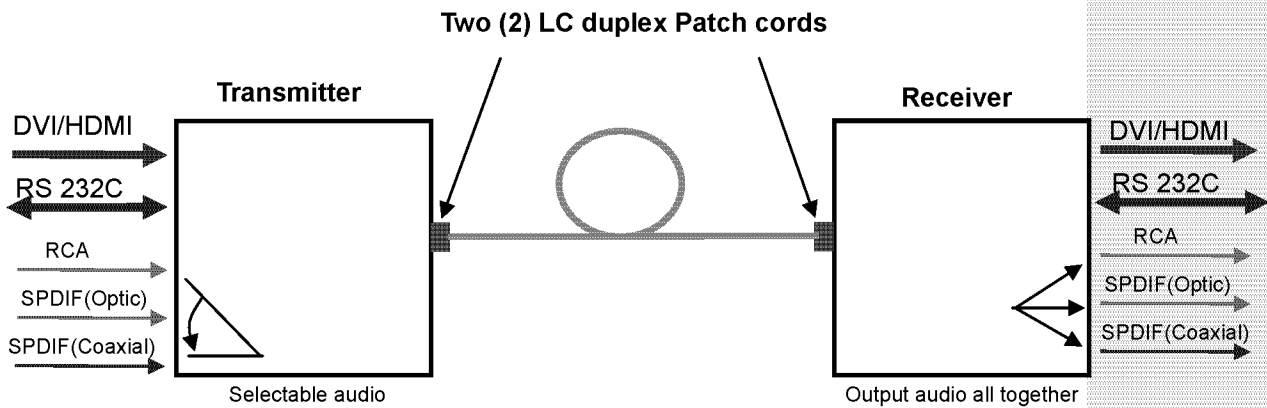


Stretch HD sources + Audio + RS-232 over All Fiber



Descriptions

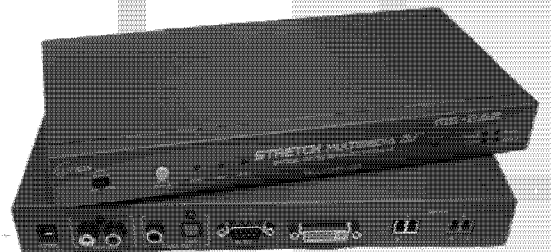
M5-2A2-TR offers integrated extension of digital video, audio and RS-232 interface up to 200m (656ft) for HDMI and up to 2km (6,600 ft) for DVI. It maintains HD video signals up to WUXGA (1920x1200) at 60Hz refresh rate for PC and 1080p for HDTV. It is compatible with full DDC2B and HDCP. It supports connecting one of 3 different audio types in the transmitter; RCA, SPDIF (Optic) or SPDIF (Coaxial) and outputting all 3 audio types.

RS232 serial interface offers device-to-device and device-to-controller connections to build up control system for A/V integration.

It is designed to multiplex and de-multiplex the DVI/HDMI video, digital/analog audio, Display Data Channel (DDC) command interface, High Definition Copy Protection (HDCP) and serial protocol so as to be linked over 4 LC fibers. It gives benefits of all-glass fiber transmission medium, data security, long distance extension up to 2km, easy plug-and-go installation and no RFI/EMI effects. In addition, a non-trivial feature is that both of Single and Multimode optical fibers are applicable.

Features and Specifications

- ◆ Extends DVI, Audio and RS232 up to 2km if using smart DDC ready button on front panel.
- ◆ Extends HDMI, Audio and RS232 up to 200m with DDC/HDCP.
- ◆ Audio interface: Selectable RCA, SPDIF (Optic) or SPDIF (Coaxial).
- ◆ Serial control data: RS232 with 9 pin D-sub female connector in the transmitter and male connector in the receiver.
- ◆ Video data: WUXGA (1920X1200), 24bit color and 60Hz refresh rate for DVI and 1080p for HDMI.
- ◆ Interconnection between transmitter and receiver: Two(2) Duplex LC patch cords of single or multi mode fiber.
- ◆ Applicable of both single and multi-mode fiber.
- ◆ +12 V DC power supply to each module.
- ◆ Complies with DDC2B/HDCP.
- ◆ Mechanical Dimension of each (W/D/H in mm): 130/260/31



Extend your Digital Connection!

Stretch Multi-media A/V : M5-2A2-TR

Product Certification

EMI and Immunity

The Opticis M5-2A2 extension module has been tested and found to comply with the limits for class A device, pursuant to Part 15 of FCC-rules and EN 55022/55024/61000-3 for CE certification. These limits are designed to provide reasonable protection due normal use with other home network appliance.

Eye Safety

The Opticis M5-2A2 extension module has been designed to meet Class 1 eye safety by adapting 1310nm/1550nm transmitter, certified by FDA/CDRH and IEC 60825-1.

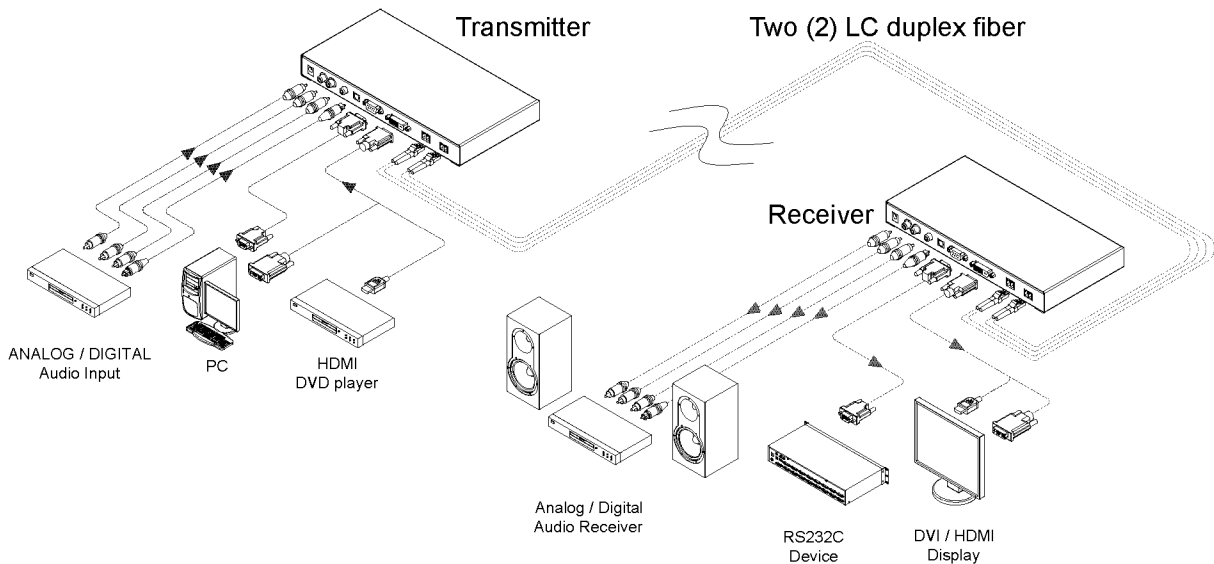
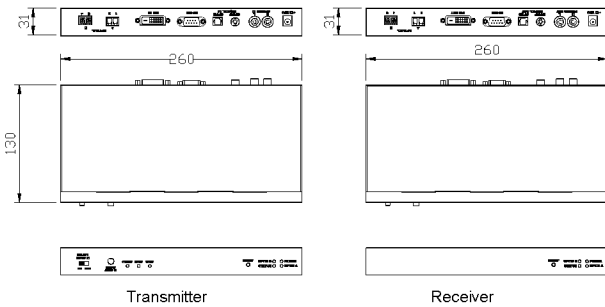
Recommended Operating Conditions

| Parameter | Symbol | Min | Typ | Max | Units |
|-------------------------------|--------|-----|-----|------|-------|
| Ambient Operating Temperature | T_A | 0 | 25 | + 50 | °C |
| Storage Temperature | T_s | -10 | | + 70 | °C |
| Storage Humidity | H_s | 10 | | 85 | RH% |

Electrical Power Supply Characteristics

($T_A = 0\text{ }^{\circ}\text{C}$ to $+50\text{ }^{\circ}\text{C}$, unless otherwise noted)

| Parameter | Symbol | Min | Typ | Max | Units | |
|-------------------|----------|-----------|-----|------|-------|----|
| Supply Voltage | V_{CC} | 11.4 | 12 | 12.6 | V | |
| Supply Current | TX | I_{TCC} | - | 620 | 650 | mA |
| | RX | I_{RCC} | - | 620 | 650 | mA |
| Power Dissipation | TX | P_{TX} | - | 7.44 | 8.2 | W |
| | RX | P_{RX} | - | 7.44 | 8.2 | W |



www.opticis.com

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