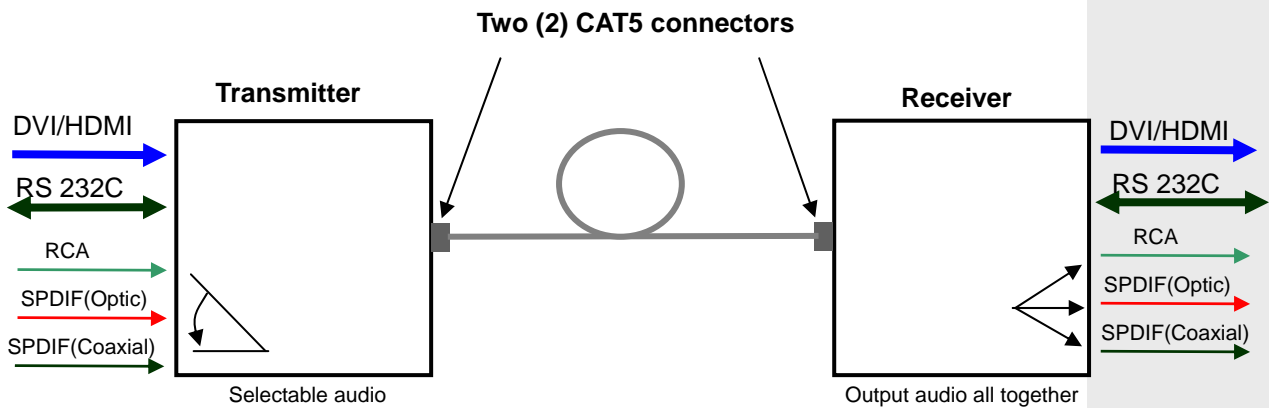


Stretch HD sources +Audio + RS-232 over CAT5



Descriptions

M5-2C2-TR offers integrated extension of digital video, audio and RS-232 interface up to 50m (160ft) for HDMI/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 two CAT5 cables. It gives benefits of easy plug-and-go installation and offers you a cost effective solution for pro A/V system.

Features and Specifications

- ◆ Extends DVI, Audio and RS232 up to 50m at WUXGA (1920 x 1200).
- ◆ Extends HDMI, Audio and RS232 up to 50m with DDC/HDCP at 1080p.
- ◆ 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) CAT5 cables.
- ◆ +12 V DC power supply to each module.
- ◆ Complies with DDC2B/HDCP.
- ◆ Mechanical Dimension of each (W/D/H in mm): 130/240/31



Extend your Digital Connection!

Stretch Multi-media A/V : M5-2C2-TR

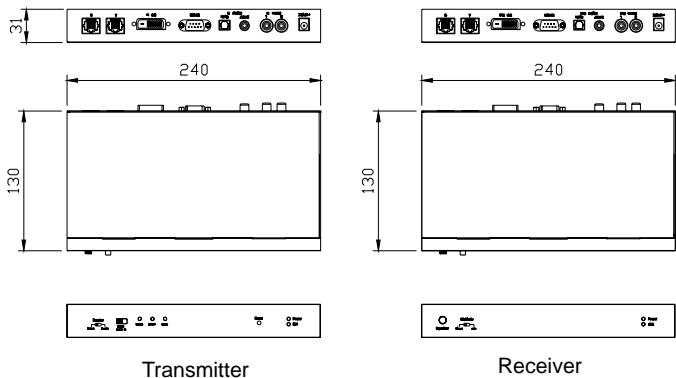
Recommended Operating Conditions

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)

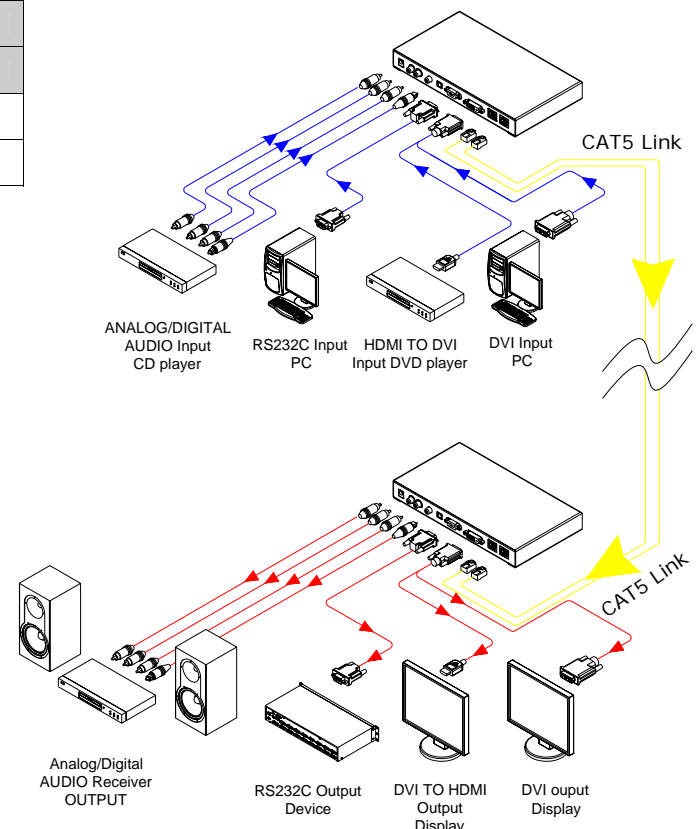
Parameter	Symbol	Min	Typ	Max	Units	
Supply Voltage	V_{CC}	11.4	12	12.6	V	
Supply Current	TX	I_{TCC}	-	380	400	mA
	RX	I_{RCC}	-	390	420	mA
Power Dissipation	TX	P_{TX}	-	4.6	5.3	W
	RX	P_{RX}	-	4.7	5.3	W



Product Certification

EMI and Immunity

The Opticis M5-2C2 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.



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