

CFS-HDMI-TX2

Two-port Standalone Compact Format HDMI/DVI transmitter with HDCP

Only an inch-deep, the Voyager CFS (Compact Format Standalone) HDMI Transmitter offers all the performance of the larger, modular VG-TX2-MM-HDMI transmitter, but comes in a much smaller form factor that can easily be mounted behind a screen or in other small areas. CFS-HDMI-TX2 units support the transmission of 1920x1200 uncompressed video (either HDMI w HDCP or DVI), plus audio and serial to distances of 6,600 feet over multimode fiber. While it ships with one MMF SFP standard, the transmitter features a second port that, when populated with a second SFP, introduces a variety of signal distribution options. For example, users could cascade signals to a second transmitter, or feed a second grouping of Voyager receivers (which can be daisy-chained). Singlemode fiber optic modules supporting longer distances (4KM and 30KM) are available from Magenta. The CFS-HDMI Transmitter ships with a power supply. A built-in mounting flange enables the transmitter to easily be secured wherever necessary.



Features

- Two duplex fiber output ports (VG-TX2)
- Small form factor makes mounting easy
- Uncompressed multi-format video at 1920x1200
- Distance range of up to 18.75MI/30KM determined by receiver
- Singlemode or multimode fiber support
- Advanced EDID management and HDCP compliance
- Local video output (HDMI)
- Unit ships with one (1) multimode fiber optic SFP module

Specifications

DC input power
 Provided by the CORE module. However, power consumption of this module alone is approximately 0.5 watts.

Video Support

Video input formats (video input port):

- Maximum resolution supported = 1080p or 1920x1200.
- Maximum color-depth = 24 bits per pixel (8 bits per color).
- Maximum refresh rate = 60Hz @ 1920x1200.

Video output formats (local output port):

The local port is essentially a direct copy of the video input port. However, the output video color-space is always RGB regardless of the input video color-space.

Audio Characteristics

This module recognizes all 8 channels (if present) of embedded HDMI audio, passing them through the system to the receiver.

Connectors (1) HDMI-input, (1) HDMI-output, (1) CORE docking connector

EDID/DDC This module supports the EDID/DDC connections on the HDMI connectors.

HDMI Version 1.3b

HDCP Version 1.1. Classification: HDCP Repeater Device

CEC The HDMI "CEC" interface protocol is not currently supported. (Note: The hardware is capable. A future firmware upgrade may enable this functionality.)

Environmental

Operating temperature: 32 to 104°F (0 to 40°C).

Storage temperature: -4 to +140°F (-20 to +60°C).

Humidity: 80% RH, non-condensing.

Enclosure Steel (0.040"/1mm thick).

Powder-coat black paint, white epoxy graphics.

System Size Assumes a typical 2-module configuration consisting of

VIDEO + CORE modules, docked together:

1.75"(4.45cm)H x 5.5"(13.967cm)W x 5.25"(13.33cm)D

Weight: 1.4lbs (.635kg)

MTBF 100,000 hours.



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