1 Gang-sized Multi-format video to Optical DVI Converter, MVDF

Description

Multi-format video wall-plate converter, MVDF is designed compact enough to occupy only one (1) gang. In spite of its compact size, MVDF is smart enough as it can covert 4 different video signals.

MVDF converts DVI, VGA, Composite and S-Video into optical DVI signal and transmits it up to 500m (1,640ft) over one (1) multi-mode fiber (62.5um) without any data compression or latency. The optical DVI receiver, DVFX-100-Rx is used to recover optical DVI to electrical DVI signal.

This 4 in 1 faceplate converter, MVDF offers simple and easy installation on the wall or boom system as it removes any additional copper cables between faceplate and stand-alone converters.

To maximize compatibility with various input sources having customized or unique output resolutions, easy firmware update can be done via front mini USB port.

The MVDF provides auto source detection (first in, first out) and video output priority when 4 video input signals are connected at the same time. It gives priority at DVI, VGA, S-Video and Composite video but, the order can be changed by user preference too.

Specification

• Support up to WUXGA (1920x1200) at 60Hz for DVI and VGA input

• Offers scaled up output of SXGA (12080x1024) at 60Hz for S-Video and Composite video input

• Transmits optical signal up to 500m (1,640feet) over SC terminated 1 core multi-mode fiber (62.5um)

• Provides Self-EDID for DVI and VGA

• Operated by DC 8~15V

• Supports auto signal detection

• Equips two (2) LEDs for power and video input status

• Certifies FCC and CE standards for EMI/RFI emission

Applications

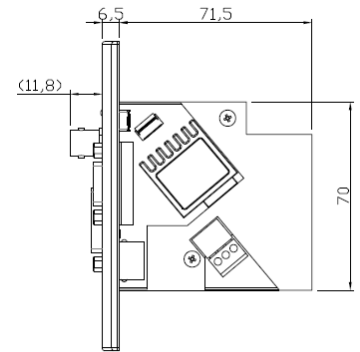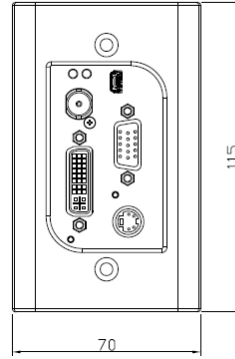• Surgical room
• Radiology
• Control room
• Conference room

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Technical Features
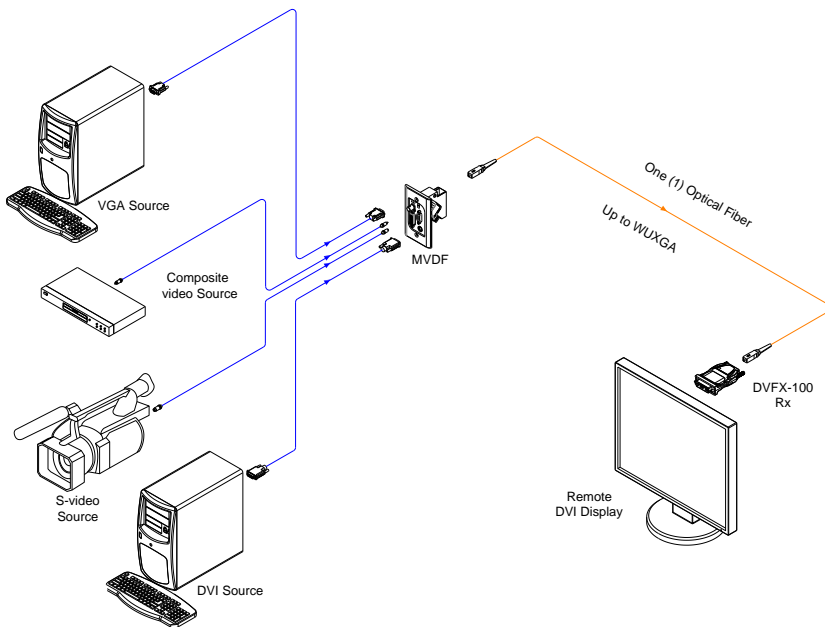
Resolution	Up to WUXGA (1920x1200) at 60Hz for DVI and VGA input Fixed resolution of SXGA (1280x1024) at 60Hz for S-Video and Composite video input
Maximum distance	500m (1,640feet) @WUXGA, 60Hz
Cable	SC terminated 1 core multi-mode fiber (62.5um)
Self-EDID	DVI, VGA
Power supplying	8~15V
LED Indicators	Power (Green), Video input status (Yellow)
Power consumption	< 0.5W
Operating temperature	0 ~ 50℃

Dimension

70 x 71.5 x 115mm (WDH)

Connection Diagram

VGA Source

Composite video Source

MVDF

One (1) Optical Fiber

Up to WUXGA

S-video Source

DVI Source

DVFX-100 Rx

Remote DVI Display

All contents are subject to be changed without prior notice.