Fiber-Optic Multi-Format Converter, OMVC-200

Description

OPTICIS provides high-end fiber-optic video format converters to manipulate from old fashioned to leading-edge video formats in various video system applications. It accepts DVI, VGA, Component video, S-video and Composite video as an input and converts these signals to 1 fiber DVI. OMVC-200 is capable of driving uncompressed WUXGA (1920x1200)@ 60Hz

DVI signal up to 500 meters (1,640 feet) over one (1) SC multimode fiber. OMVC-200 automatically detects the first incoming signal among various signals or decides a priority input by pre-programming as DVI, VGA, Component, Composite and S-Video in an order when all signals are connected and turned on.

Opticis converters are used for long haul video applications and special place where the optimal signal quality and electrical isolation are required and our own 1 fiber DVI receiver, DVFX-100-R is used as a pair to execute optical to electrical DVI conversion.

Specification

• Accepts DVI, VGA, Component, S-Video and Composite inputs.
• Detects connected video signal and converts it into one (1) fiber DVI.
• Supporting various resolutions with up-scaling feature.
• Transmits signal up to 500m (1,640feet) over SC Multi-mode fiber.
• Provides mounting bracket (OPMCB) t complying with VESA 75, 100 standards to be attached on various places.
• Reads and stores the targeted EDID in the OMVC-200 (Self-EDID)
• Has Locking type DC power supplier.
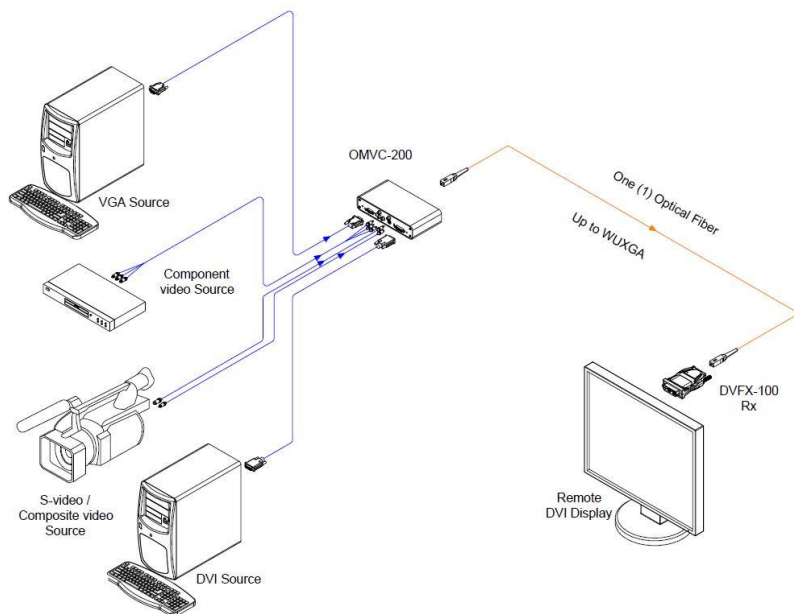• Certifications: CE / FCC

Applications

• Medical Equipment
• Control room
• Conference room
• Various application requiring long haul video applications and special place where the optimal signal quality and electrical isolation are needed.
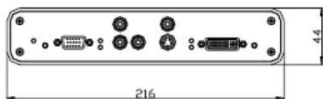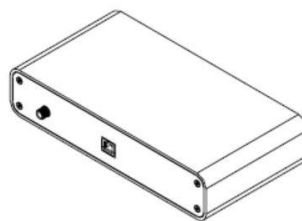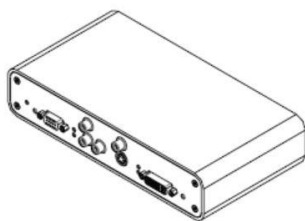
Technical Features

Resolution	• DVI & VGA: VGA to WUXGA (1920 x1200), 60Hz • Component: 480i to 1080p, 60Hz • S-video & Composite: Up-scale 480i and 576i to SXGA (1280x1024), 60Hz
Input Connectors	• DVI: 24pin DVI-I • VGA: HD15, D-sub • Component: 3 x RCA • S-video: Mini-DIN • Composite: RCA
Bit rate	Up to 1.65Gbps
Maximum distance	500m (1640feet) @WUXGA, 60Hz with 50um fiber
Fiber	SC terminated 1 core multi-mode fibers
Power supplying	Medical certified locking type 5V/3A
LED Indicators	Power, Input signal status, Self EDID
Power consumption	<6W
Size (WDH)	216 x 112 x 44mm
Operating temperature	0 ~ 50℃
EDID Management	Self EDID (Reading from display and storing it in TX)

Connection Diagram

Dimension

216 x 112 x 44mm (WDH)

Optolinks
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All contents are subject to be changed without prior notice.