WERTH SYSTEMS
all-in-one medical solutions

DVFX-100 Medical

EN60601-1 certified Medical-DVI Isolator

Full HD 1080p

3000V Isolation · **Medical EN60601-1** · **0 ms Time Lag free** · **24/7 use** · **Enhanced Color Gamut 122%**

▶ up to 500m cable length

▶ only one fiber cable needed

▶ Time Lag Free

▶ Real Colour support up to 36bit

▶ easy to install - no driver needed and self programming feature

easy to use
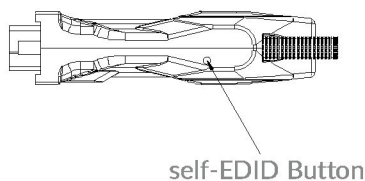
self-EDID Button

The optimal Resolution of each connected Display can be read and restored by just plugging the DVFX-100 Medical to the Display and pushing the self-EDID Button. This self programming feature makes the installation more easy and flexible at any variable resolution display systems.

Introducing the new DVFX-100 Medical, Werth Systems powerful new addition to the field Isolator range. It extends and isolates all VESA resolutions up to WUXGA (1920x1200) at 60 Hz DVI Data up 500 meters over one multi-mode fiber cable. It complies with Class 1 Laser Eye Safety in compliance with UL/EN60601-1 3.1 Edition, 60601-1-2 3rd. Edition and FDA/CDRH. It is also certifed according to CE/FCC Standards for EMC and EMI/RFI emmisions. Based on the special optical converter there is nearly no loss of video quality and no noticable Time Lag. So this is the ideal solution for Medical Imaging Systems.

Technical Data DVFX-100 Medical

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Description	DVFX-100 Medical
Isolation Type	optical
Isolation	3000 V AC/1 Minute (between Tramsmitter and Receiver more than 5KV AC)
Max. Resolution	1920x1200 @60 Hz
Bandwith	2.25 Gbps
Colordepth	36 bit
Signal Input	1x DVI-D
Signal Output	1x DVI-D
DDC Connection	Virtual DDC by Self-EDID programming
LED Indicators	Transmitter: Power, Signal Transmission
	Receiver: Power, Signal detection
Fiber Port	SC-Simplex
recommended Cable Type	1x Multi-Mode Fiber Cable with 62.5/125um or 50/125um (not included)
recommended total optical Attenuation	Max. 1.5 dB
recommended Skew	Max. 0.4 ns
recommended Insertion Attenuation	Max. 0.5 dB
max. Cable length	500m with 50/125 um Multi-Mode Cable
Housing	closed Plastic Case
Color	Black
Power Supply	external 10W Medical Power Supply, 100-240 V AC Input
Power Consumption	Transmitter: 1.2 W / Receiver: 1.0 W
Dimensions	39x14.6x56mm (WxHxD) per each Module
Temperature Range	0 ˚C to 40 ˚C
Warranty	1 Year
Norms/Standards	FCC/CE, UL/EN60601-1, UL/EN60601-1-2, Class 1 LASER Eye Safety
Mode of Operation	Continuous Operation
Scope of Delivery	Manual, 2x Power Supply

Connection Diagramm

Transmitter

1x Optical SC-Simplex Fibercable

Receiver

Medical Power Supply
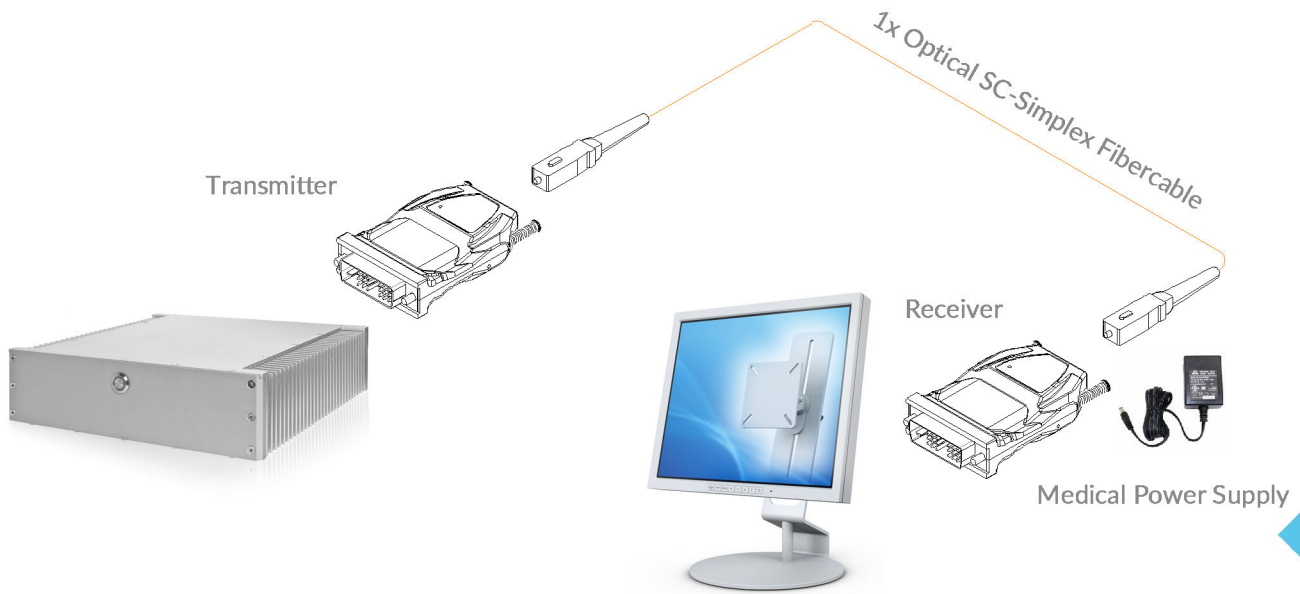
Fiber Patchcable

2000538   2 m OM2 Simplex Multimode, SC/SC Plug, 50/125um
2000539   5 m OM2 Simplex Multimode, SC/SC Plug, 50/125um
2000540   10 m OM2 Simplex Multimode, SC/SC Plug, 50/125um
2000541   15 m OM2 Simplex Multimode, SC/SC Plug, 50/125um
2000542   20 m OM2 Simplex Multimode, SC/SC Plug, 50/125um
2000543   30 m OM2 Simplex Multimode, SC/SC Plug, 50/125um
2000544   50 m OM2 Simplex Multimode, SC/SC Plug, 50/125um