



- Full HD 1080 p, uncompressed
- Unidirectional, 10.2 GBit/s High speed duplex (up to HDMI 1.2)
- Max. distance 200 m
- EMC compliant to CISPR 25, Class5

foHDMI (up to 1.2)

In complex testing environments it is often needed that electrical signals have to be transmitted into the chamber or out of the chamber to the test equipment.

For that purpose we offer a variety of different interfaces that convert electrical signals into optical signals and back. Such the signal can be transmitted via fibre optics and is immune against electrical fields.

A sophisticated shielding and filtering concept ensures that the interfaces are highly immune against radiation and do not deliver out any significant emission.

In most cases both units are shielded.

Features:

- RF-Immunity: Antenna radiated 200 V/m, 200MHz – 18GHz, ISO11452-2, CW, AM, PM
Stripline 200 V/m, 10 – 1 GHz, ISO11452-5, CW, AM, PM
- Emission: EMC compliant to CISPR25 Class 5, 150 k – 4 GHz
- Battery (approx. 8 hours operation) or mains powered
- Compact metal housing
- No galvanic connection between test equipment and measurement instruments
- Max. HD resolution 1920 x 1080, up to 60 Hz
- Unidirectional signal transfer (HDMI up to version 1.2)
- Continuous operation with external 12V/2A power supply possible

Accessories:

Standard:

- One set consists of two shielded converter units:
Converter 1: transmitter (to connect with source of signals);
Converter 2: receiver (to connect with receiver of signals e.g. TV Set)
- Special shielded HDMI cable, 2.0 m
- All converters are shipped with the appropriate power supply or battery and charger.

Optional:

- Fibre optic cables: variable lengths ST/FSMA-connector or ST/ST-connector
- FO-Patches (Feed Through wall Patches)

Technical Data

Converter 1 (transmitter)	transmitting (to connect with source of signals)
Converter 2 (receiver)	receiving (to connect with receiver of signals e.g. TV Set)
Data signaling rate	HDMI up to version 1.2, Non-compressed transmission real-time without Delay
Data transfer direction	unidirectional, 10.2 GBit/s High-speed duplex transmission and Support CEC
HDMI resolution	24 / 50 / 60 fs / 1080 p / 1080 i / 720 p / 576 p / 576 i / 480 p / 480 i
Video format	24 bits / 30 bits / 36 bits (Deep Colour)
Audio signal format	DTS-HD/Dolby-true, HD / LPCM7.1 / DTS/Dolby-AC3 / DSD
Fibre optic connection	FST
Fibre optic cables	multimode duplex fibre, 50/125 µm maximum fibre length 200 m
Wavelength	850 nm
Charging input	rechargeable battery (12 VDC) or 230 VAC, 50 / 60 Hz
Operating temperature	0 °C / +40 °C
Operating humidity	20 to 85 % RH
Weight per converter	2.4 kg
Housing	passivated aluminium, stainless steel, 2 mm
Dimensions per Converter	225 x 165 x 85 mm (LxWxH)

Converter 1:



Converter 2:



Prices and specifications are subject to change without notice! For more details see manual.

PONTIS
EMC PRODUCTS
A BRAND OF AUDIOVO

PONTIS EMC Products designed and manufactured by:

Audiovo GmbH
Irrenloher Damm 30
92521 Schwarzenfeld
Germany

Phone +49(9435) 54 19-0
Fax +49(9435) 54 19-19
info@audiovo.com
www.audiovo.com

You can contact directly our local partners for sales and technical support



www.hvtechnologies.com



www.toyo.co.jp



zongkui.shao@pontis-emc.com