



- 4K @60 Hz
- 10.2 Gbit/s , up to HDMI 1.4
- Max. distance 200 m
- EMC compliant to CISPR 25, Class5

## foHDMI (up to 1.4)

In complex testing environments, it is often necessary to transmit electrical signals into or out of the test chamber to connect with the test equipment.

For this purpose, we offer a variety of interfaces that convert electrical signals into optical signals and vice versa. Through this conversion, signals are transmitted via fibre optics, making them immune to electromagnetic fields.

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

In most cases both units are EMC shielded.

## FEATURES:

- RF-Immunity:
  - Antenna radiated 200 V/m, 200 MHz – 18 GHz, CW, AM, PM
  - Stripline 200 – 600 V/m, 10 kHz – 1 GHz, CW, AM, PM
- Emission: EMC compliant to CISPR25 Class 5, 150 k – 4 GHz
- Battery and mains powered versions available
- Compact metal housing
- No galvanic connection between test equipment and measurement instrument
- Max. resolution 3840 x 2160 (4K), up to 60 Hz
- HDMI up to version 1.4

## 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 interfaces 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 1.4, Non-compressed transmission real-time without delay
Data transfer direction	10.2 GBit/s high speed transmission and Support CEC
HDMI resolution	max. 3840 x 2160 (4K)
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	delivered wall power charger
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)

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](http://www.hvtechnologies.com)



[india@pontis-emc.com](mailto:india@pontis-emc.com)



[zongkui.shao@pontis-emc.com](mailto:zongkui.shao@pontis-emc.com)