

## PRODUCT INFORMATION MSI8D

### Compact Transmitter



#### Description

The Compact Transmitter MSI8D is used within the INFRACOM conference system for the transmission of 8 audio channels by infrared light.

The audio signals are converted into frequency modulated infrared light and then transmitted with INFRACOM Radiators HLN82, which are directly connected to the MSI8D. The original (OR) and up to 7 further languages can simultaneously be transmitted on different carrier frequencies by narrow band frequency modulation.

The transmitted signals are received by the INFRACOM Receiver IRX and can then be monitored with headphones.

With miniature-switches on the front panel the frequency band can be chosen and the channels can be switched ON or OFF. With a rotating switch it is possible to assign up to 32 transmission channels. 3 infrared transmitter diodes allow monitoring for the technician without radiators.

LEDs on the front panel are indicating the operation mode: channel ON (red) and audio signal available (green).

#### Technical Data

The unit is complying with the international standard IEC914.

##### Connections

- OR-IN (1 x XLR-socket) for input of the original language (OR)
- OR-OUT (1 x XLR-plug) for balanced output of the original language, adjustable (-14 ... +6)dBV/600Ohm
- LINE-OUT (8 x XLR-plug) AF outputs for audio recording
- RADIATORS (2 x BNC-socket) 1-10: Connection for up to 10 INFRACOM radiators HLN82  
11-20: Connection for up to 10 further INFRACOM radiators HLN82
- RF-LINK (1 x BNC-socket) for cascading (RF) with further MSI8D
- CNTR-LINE (1 x Renk-socket) for connection of INFRACOM Distribution Amplifier SV/BNC
- INTERPRETERS (2 x A36-socket) for connection of interpreter consoles

##### Features

- Green lighted mains switch for power ON indication
- Red LEDs for channel ON indication
- Green LEDs for Audio available (AF)

##### Transmission frequency:

- 55kHz - 975kHz in 40kHz steps (channel 22) up to 1335kHz (channel 31)

Intermediate frequency: 455 kHz

##### Measurements

- Distortion: < 0.2%
- Signal-to-noise ratio: > 70dB
- Channel separation: > 60dB

##### Power Supply

- Mains power: (90 ... 250)VAC, (50 ... 60)Hz
- Power consumption: 40VA max

##### Housing

- 19", 2 HE, Aluminium, "silver" anodized
- W x H x D: (433 x 88 x 305)mm

##### Weight

- 4.6kg

#### Accessories (not included in delivery)

- INFRACOM Radiator HLN82
- INFRACOM Receiver IRX
- INFRACOM Distribution Amplifier SV/BNC
- INFRACOM Interpreter-Unit DOL7/x
- BNC Cable (50 Ohm), different lengths available
- Mounting brackets for rack assembly

#### Optional

- extensible up to 32 channels