# HCS-5100MC/08BD 8 CHs Digital Infrared Transmitter



**Features** 

- Compliant with ISO 22259
- Compatible with any other IR simultaneous interpretation system compliant to IEC 61603-7
- DQPSK digital modulation/demodulation technology
- Capable of distributing a maximum of 8 audio channels
- Conference hall privacy; the congress venue itself acts as a barrier to infrared signals escaping and being overheard, as infrared is unable to pass through opaque objects such as walls
- Suitable for various kinds (small/medium/large international) of conference halls and outdoor venues
- Transmitting in 1~8 MHz frequency band eliminates disturbance from high frequency lighting systems
- Each audio channel can be assigned a language name for easy identification
- Flexible configuration of channels and channel quality modes:
  - Mono, standard quality, maximum 8 channels
  - Mono, perfect quality, maximum 4 channels
  - Stereo, standard quality, maximum 4 channels
  - Stereo, perfect quality, maximum 2 channel
- Adjustable sensitivity for each input to enable fine tuning of audio levels
- Automatic synchronization to the number of channels in use by the system
- "Bypass" mode for distribution of signals from another transmitter allows multiple rooms to be used
- During adjournment, music mode can be used to feed music to all channels
- Independent test facility: self-generates diverse frequencies for system debugging
- Built-in infrared emitters in transmitter for audio monitoring in operating room
- With web control function, transmitter can be controlled through web page
- Digital Infrared Radiator can be turned off remotely via RS-232 port
- With the function of synchronous shutdown of the radiator and the transmitter
- Universal mains power facility allows worldwide use

The transmitter is the heart of the HCS-5100Plus system. HCS-5100MC/08BD accepts and modulates up to 8 unbalanced audio signals onto carrier waves which are transmitted to radiators located in the room. It can either be connected to HCS-8300M congress main unit through HCS-8300MO 8 Channels Audio Output Device, or be used as a stand-alone system for distributing external audio signals. HCS-5100MC/08BD is suitable for either tabletop or 19-inch rack mounting using. Four feet (for tabletop) and two brackets (for rack mounting) are supplied.

#### **Controls and Indicators**

- 2.8" LCD displays status and menu of the system configuration, supporting multi language menu
- One operation knob` for configuration
- Standby switch with indicator
- Mini IR radiators

#### Interconnections

- Ø 3.5 mm jack for stereo monitor earphone
- 2 female XLR connectors for external audio inputs to connect auxiliary balanced audio signals such as music, floor language or emergency audio signal
- 8 audio signal input connectors (RCA sockets) to connect external unbalanced audio input signals
- 6 BNC connectors for output HF signal to radiator. To each connector, up to 30 radiators can be connected
- 1 BNC connector for receiving HF signal from another transmitter
- USB\_H interfaces to upgrade system and to save system parameters.
- Ethernet and RS232 ports for connection to computer
- Emergency signal interface: when the public emergency system is active, alarm signal can be fed to all channels automatically
- Dante interface for connecting to the Dante network to transmit input and output audio signal
- Power supply socket

## **Technical Specifications**

#### **System Specifications**



#### **Electrical**

| Unbalanced audio inputs    | 12 dBV to +12 dBV nomina         |
|----------------------------|----------------------------------|
| Balanced audio inputs      | -6 dBV to +18 dBV nomina         |
| Emergency switch connector | _2-PIN 3.81 mm Phoenix connector |
|                            | alarm signal control input       |
| Headphone output           | 32 Ohm to 2 kOhm                 |
| HF input/output            | 75 Ohm                           |
| Power supply               | AC 100 V - 240 V, 50 Hz / 60 Hz  |
| Power consumption          | Maximum 25 W                     |

#### **Mechanical**

### **Ordering Information**

HCS-5100MC/08BD 8 CHs Digital Infrared Transmitter (dante interface)