

## HCS-8360FK/50 Contactless IC Card & Fingerprint Identification Module



### Features

- Connecting to HCS-8368/50 series congress terminal via USB port to realize contactless IC Card sign-in and fingerprint sign-in

### Technical Specifications

#### Mechanical

Mounting.....Tabletop  
 Dimensions (h x w x d) .....66 x 84 x 121 mm  
 Weight.....0.17 kg  
 Color.....Silver (PANTONE 401 C)

### Ordering Information

HCS-8360FK/50.....Contactless IC Card & Fingerprint Identification Module (tabletop, for HCS-8368/50 series congress terminal, silver)

## HCS-8360FK/FM/50 Contactless IC Card & Fingerprint Identification Module



### Features

- Connecting to HCS-8368/50 series congress terminal via USB port to realize contactless IC Card sign-in and fingerprint sign-in

### Technical Specifications

#### Mechanical

Mounting.....Flush-mounting  
 Dimensions (h x w x d) .....73 x 80 x 115 mm  
 Weight.....0.17 kg  
 Color.....Black (PANTONE 419 C)

### Ordering Information

HCS-8360FK/FM/50.....Contactless IC Card & Fingerprint Identification Module (flush-mounting, for HCS-8368/50 series congress terminal, black)

## HCS-8300MES Congress Extension Unit



### Functions

- Based on TAIDEN company originated MCA-STREAM digital audio processing and transmitting technology
- Compliant to IEC 60914 and CE
- Cooperates with HCS-8300M or HCS-4100M/52 series Congress Main Unit for system capacity extension
- Sync power on/off with the Congress Main Unit
- In cooperation with the Congress Main Unit and a central control system, central control of the whole system power can be realized

### Interconnections

- 3 × 6P-DIN trunk-line cable outlet, connection cable length should be less than 80 meters
- 1 × 6P-DIN socket (input) for connection with the Congress Main Unit or with a preceding Congress Extension Main Unit, connection cable length should be less than 80 meters
- 1 × 6P-DIN socket (output) for connection with the next HCS-8300MES, connection cable length should be less than 80 meters

### Technical Specifications

#### Electrical

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz  
 Power consumption.....150 W

#### Mechanical

Dimensions (h × w × d).....42 × 296 × 133 mm  
 Weight.....1.5 kg  
 Color.....Black (PANTONE 419 C)

### Ordering Information

HCS-8300MES.....Fully Digital Congress System Extension Unit  
 (3 congress unit outlets)

## HCS-8300MCLS Loop switcher and Cabinet installation accessory



### Functions

- For "Closed Loop - Daisy Chain" connection
- Please set main unit LCD menu "Close Loop Setting -> HCS-8300MCLS AS Loop Switcher" as "Yes"
- Automatic judgment of the opening or closing of a loop
- Loop switcher open: open indicator on (Red)
- Loop switcher closed: close indicator on (Green)
- When the loop switcher is used, the number of CMU/EMU loads is halved
- Mounting bracket (mounted in a 19" rack) can be chosen

### Interconnections

- 1.5 m cable with 6P-DIN plug to connect to the primary CMU or EMU
- 0.6 m cable with 6P-DIN plug to connect to the secondary CMU or the congress unit

### Technical Specifications

#### Mechanical

Dimensions (h × w × d).....68 × 100 × 40 mm  
 Weight.....347 g  
 Color.....Black (PANTONE 419 C)

### Ordering Information

HCS-8300MCLS.....Loop switcher  
 HCS-8300MCLS Cabinet installation accessory  
 .....4 HCS-8300MCLS Loop switchers can be installed

## HCS-8300KMX2 Congress Gigabit Network Switcher



### Functions

- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology
- Sync power on/off with the Congress Main Unit
- Built-in PoE switch to choose way of power supply:
  - ON: connecting DELEGATE port to tabletop congress terminals or the Distributor HCS-8368T/50 for power supply and transmission of control data and multimedia data
  - OFF: DELEGATE port supporting daisy-chain connection to HCS-8368/50 Series Paperless Multimedia Congress Terminal with power supply via 3 2P aviation plugs

### Interconnections

- 1 × RJ45 standard port for connection with Ethernet switcher
- 5 × RJ45 standard port for connection with HCS-8368/50 Series Paperless Multimedia Congress Terminal (via Cat.5e/Cat.6 cable)
- 2 × 6P-DIN interface for connection with the Congress Main Unit or cascading to another HCS-8300KMX2 (equipped with CBL6PP-01 - 1-meter 6-pin extension cable with two plugs)
- 3 × 2P aviation plug for supplying power to HCS-8368/50 series Multimedia Congress Terminal (equipped with CBL4PK-01 - 1-meter power adapter cable)

### Technical Specifications

#### Electrical

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz  
 Power output.....Four power outputs, each output 48V DC, 3A  
 Power consumption.....350 W

#### Mechanical

Mounting.....Tabletop or mounted in a 19" rack  
 Dimensions (h x w x d).....43 × 483 × 208 mm  
 (1U high, full rack width)  
 Weight.....3.6 kg  
 Color.....Gray (PANTONE 425 C)

### Ordering Information

HCS-8300KMX2.....Congress Gigabit Network Switcher  
 (for G3 multimedia congress terminal)

## HCS-8368T Distributor



### Functions

- Extension of HCS-8368/50 series tabletop congress terminal in PoE mode

### Interconnections

- 1 × RJ45 standard port for connection with HCS-8300KMX2
- 7 × RJ45 standard port for connection with HCS-8368/50 tabletop congress terminal on each port
- DC power socket for external power supply to guarantee a stable signal transmission
- If five or more output ports are used, please connect to external power adapter

### Technical Specifications

#### Electrical

Power supply.....DC 48 V, 2 A  
 Power consumption.....90 W

#### Mechanical

Mounting.....Tabletop  
 Dimensions (h x w x d).....40 × 150 × 100 mm  
 Color.....Gray (PANTONE 425 C)  
 Weight.....0.4 kg

### Ordering Information

HCS-8368T.....Distributor  
 (for G3 tabletop multimedia congress terminal)

## HCS-8368T/50 Distributor




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### Functions

- Extension of HCS-8368/50 series tabletop congress terminal in PoE mode

### Interconnections

- 1 × RJ45 standard port for connection with HCS-8300KMX2
- 7 × RJ45 standard port for connection with HCS-8368/50 tabletop congress terminal on each port
- DC power socket (2P aviation socket) for external power supply to guarantee a stable signal transmission
- If five or more output ports are used, please connect to external power adapter

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### Technical Specifications

#### Electrical

Power supply.....DC 48 V, 2 A  
 Power consumption.....90 W

#### Mechanical

Mounting.....Tabletop  
 Dimensions (h x w x d).....41 × 168 × 103 mm  
 Color.....Black (PANTONE 419 C)  
 Weight.....0.4 kg

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### Ordering Information

HCS-8368T/50.....Distributor  
 (for G3 tabletop multimedia congress terminal)

## HCS-8300KMx Congress Gigabit Network Switcher



### Functions

- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology, supports daisy-chain connection to HCS-8338 and HCS-8348 Series Paperless Multimedia Congress Terminal; the quantity of Congress Terminals connected to each port is unlimited
- Sync power on/off with the Congress Main Unit

### Interconnections

- 8 × RJ45 standard port for connection with Congress Main Unit, HCS-8338 and HCS-8348 Series Paperless Multimedia Congress Terminal, external Ethernet switchers, etc. (via Cat.5e/Cat.6 cable)
- 1 × 6P-DIN interface for power supply from the Congress Main Unit, and equipped with CBL6PP-01 - 1-meter 6-pin extension cable with two plugs
- 2 × 2P aviation plug for getting power supply from power supply unit HCS-8300PM and HCS-8300PM2 (equipped with CBL2SS-01 - 1-meter 2-pin cable with two sockets) or supply power to HCS-8338 and HCS-8348 series Multimedia Congress Terminal (equipped with CBL4PK-01 - 1-meter power adapter cable)

### Technical Specifications

#### Electrical

Power supply.....DC 24 V - 33 V  
Power consumption.....10 W

#### Mechanical

Mounting.....Tabletop or mounted in a 19" rack  
Dimensions h × w × d.....43 × 483 × 208 mm  
(1U high, full rack width)  
Weight.....2.3 kg  
Color.....Gray (PANTONE 425 C)

### Ordering Information

HCS-8300KMx.....Congress Gigabit Network Switcher

## HCS-8300MX Congress Room Combiner



### Functions

- Perfect solution for selectively combining or separating meeting rooms
- Flexibly and discretionary - according to situational conditions
- Up to 8 Congress Main Units per HCS-8300MX unit
- Cascadable to merge up to 14 meeting rooms

### Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays configuration of RJ45 standard sockets, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator

### Interconnections

- 8 × RJ45 standard socket for connection with Congress Main Unit via Cat.5 cable
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance

### Technical Specifications

#### Electrical

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz  
Power consumption.....15 W

#### Mechanical

Mounting.....Tabletop or mounted in a 19" rack  
Dimensions (h × w × d)  
For table use, with feet.....99 × 430 × 325 mm  
For 19" rack use, with brackets.....89 × 478 × 350 mm  
Weight.....5.2 kg  
Color.....White (PANTONE 420 C)

### Ordering Information

HCS-8300MX.....Congress Room Combiner

## HCS-8300MX/FS Booth Combiner



### Functions

- Perfect solution for selectively combining or separating booths
- Cooperates with HCS-8302MX/FS for sharing booths and merging/splitting rooms
- Flexibly and discretionary - according to situational conditions, no need to change wiring if cabling has been already planned ahead and carried out for later sharing/merging/splitting
- Up to 8 booths can be merged and split
- Five work modes: Master, Slave, Tenant, Landlord, Idle
- Equipped with duplex SC single-mode optical fiber interface

### Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays configuration, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator

### Interconnections

- 1 × 6P-DIN interface for connection with Congress Main Unit
- 8 × 6P-DIN interface for connection with Interpreter Units of booths
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance
- Equipped with duplex SC single-mode optical fiber interface, for connection with HCS-8302MX/FS
- 1 × RJ45 standard socket for connection to Ethernet interface (LAN)

### Technical Specifications

#### Electrical

Power supply.....AC 100 V-120 V 60 Hz or AC 220 V-240 V 50 Hz  
 Power consumption.....200 W

#### Mechanical

Mounting.....Tabletop or mounted in a 19" rack  
 Dimensions (h x w x d)  
 For table use, with feet.....99 × 430 × 325 mm  
 For 19" rack use, with brackets.....89 × 478 × 350 mm  
 Weight.....7.4 kg  
 Color.....White (PANTONE 420 C)

### Ordering Information

HCS-8300MX/FS.....Booth Combiner (single-mode optical fiber interface)

## HCS-8302MX/FS/06 General Controller for Booth Combiners



### Functions

- Perfect solution for selectively combining or separating rooms to realize interpretation center
- Flexibly and discretionary - according to situational conditions, no need to change wiring
- Cooperating with HCS-8300MX/FS, at most 6 rooms can be merged and their booths can be shared
- Equipped with 6 duplex SC single-mode optical fiber interfaces

### Controls and Indicators

- Graphic LCD with back-lighting displays configuration of fiber interfaces, supporting multi-language menu
- 9 buttons for configuration
- "POWER" indicator, "ACTIVE" indicator and "NETWORK" indicator
- 6 fiber interface status buttons

### Interconnections

- 1 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance
- 6 × fiber interface for connection with HCS-8300MX/FS
- 1 × RJ45 standard socket for connection to Ethernet interface (LAN)

### Technical Specifications

#### Electrical

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz  
Power consumption.....125 W

#### Mechanical

Mounting.....Tabletop or mounted in a 19" rack  
Dimensions h × w × d (mm).....132 × 478 × 310  
(3U high, full rack width)  
Weight.....5.2 kg  
Color.....Gray (PANTONE 425 C)

### Ordering Information

HCS-8302MX/FS/06.....General Controller for Booth Combiners  
(6 CHs, single-mode optical fiber interface)

## HCS-8302MX/FS/12 General Controller for Booth Combiners



### Functions

- Perfect solution for selectively combining or separating rooms to realize interpretation center
- Flexibly and discretionary - according to situational conditions, no need to change wiring
- Cooperating with HCS-8300MX/FS, at most 12 rooms can be merged and their booths can be shared
- Equipped with 12 duplex SC single-mode optical fiber interfaces

### Controls and Indicators

- Graphic LCD with back-lighting displays configuration of fiber interfaces, supporting multi-language menu
- 9 buttons for configuration
- "POWER" indicator, "ACTIVE" indicator and "NETWORK" indicator
- 12 fiber interface status buttons

### Interconnections

- 1 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance
- 12 × fiber interface for connection with HCS-8300MX/FS
- 1 × RJ45 standard socket for connection to Ethernet interface (LAN)

### Technical Specifications

#### Electrical

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz  
Power consumption.....125 W

#### Mechanical

Mounting.....Tabletop or mounted in a 19" rack  
Dimensions h × w × d (mm).....132 × 478 × 310  
(3U high, full rack width)  
Weight.....5.2 kg  
Color.....Gray (PANTONE 425 C)

### Ordering Information

HCS-8302MX/FS/12.....General Controller for Booth Combiners  
(12 CHs, single-mode optical fiber interface)



## HCS-8302MX/FS/24 General Controller for Booth Combiners



### Functions

- Perfect solution for selectively combining or separating rooms to realize interpretation center
- Flexibly and discretionary - according to situational conditions, no need to change wiring
- Cooperating with HCS-8300MX/FS, at most 24 rooms can be merged and their booths can be shared
- Equipped with 24 duplex SC single-mode optical fiber interfaces

### Controls and Indicators

- Graphic LCD with back-lighting displays configuration of fiber interfaces, supporting multi-language menu
- 9 buttons for configuration
- "POWER" indicator, "ACTIVE" indicator and "NETWORK" indicator
- 24 fiber interface status buttons

### Interconnections

- 1 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance
- 24 × fiber interface for connection with HCS-8300MX/FS
- 1 × RJ45 standard socket for connection to Ethernet interface (LAN)

### Technical Specifications

#### Electrical

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz  
Power consumption.....125 W

#### Mechanical

Mounting.....Tabletop or mounted in a 19" rack  
Dimensions h × w × d (mm).....132 × 478 × 310  
(3U high, full rack width)  
Weight.....5.2 kg  
Color.....Gray (PANTONE 425 C)

### Ordering Information

HCS-8302MX/FS/24.....General Controller for Booth Combiners  
(24 CHs, single-mode optical fiber interface)

## HCS-8300PM Power Supply Unit



### Functions

- Provides power supply to HCS-8338 and HCS-8348 series Paperless Multimedia Congress Terminal, as well as to HCS-8300KMX Congress Gigabit Network Switcher
- Sync power on/off with the Congress Main Unit (equipped with CBL6PP-01 - 1-meter 6-pin extension cable with two plugs)

### Interconnections

- Power output: 4 × 2P aviation plug
- Power control interface: 4 × 6P-DIN socket

### Technical Specifications

#### Electrical

Power supply.....AC 100 V-120 V 60 Hz or AC 220 V-240 V 50 Hz  
 Power output.....Four power outputs, each output 33V DC, 3A  
 Power consumption.....430 W

#### Mechanical

Mounting.....Tabletop or mounted in a 19" rack  
 Dimensions (h × w × d)  
 For table use, with feet.....99 × 430 × 325 mm  
 For 19" rack use, with brackets.....89 × 478 × 350 mm  
 Weight.....10.3 kg  
 Color.....White (PANTONE 420 C)

### Ordering Information

HCS-8300PM.....Power Supply Unit (DC 33 V)

## HCS-8300PM2 Dual Backup Power Supply Unit



### Functions

- Provides power supply to HCS-8338 and HCS-8348 series Paperless Multimedia Congress Terminal, as well as to HCS-8300KMX Congress Gigabit Network Switcher
- Sync power on/off with the Congress Main Unit (equipped with CBL6PP-01 - 1-meter 6-pin extension cable with two plugs)
- Two completely independent power supply systems to realize dual backup for system power supply
- If the primary power supply fails, the standby power takes over supply immediately

### Interconnections

- Power output: 4 × 2P aviation plug
- Power control interface: 4 × 6P-DIN socket

### Technical Specifications

#### Electrical

Power supply.....AC 100 V-120 V 60 Hz or AC 220 V-240 V 50 Hz  
 Power output.....Four power outputs, each output 33V DC, 3A  
 Power consumption.....430 W

#### Mechanical

Mounting.....Tabletop or mounted in a 19" rack  
 Dimensions (h × w × d)  
 For table use, with feet.....99 × 430 × 325 mm  
 For 19" rack use, with brackets.....89 × 478 × 350 mm  
 Weight.....14.2 kg  
 Color.....White (PANTONE 420 C)

### Ordering Information

HCS-8300PM2.....Dual Backup Power Supply Unit (DC 33 V)

## HCS-8301MD Digital Audio Mixer for Conference



### Features

- Cooperating with the HCS-8300M Congress Main Unit, the operator can adjust and monitor the audio of microphones, audio input/output and all simultaneous interpretations
- Automatic memory function: all parameters can be automatically saved before switching and can be recalled after switching
- High-performance motor potentiometer control
- Automatic parameter synchronization between mixer and control PC
- Audio parameter adjustment for microphones, including EQ, GAIN, MUTE, LOW CUT and FADER
- Audio parameter adjustment for AES/Dante IN, including EQ, MUTE and FADER
- Audio parameter adjustment for LINE IN, including EQ, GAIN, MUTE and FADER
- Audio parameter adjustment for AES/LINE OUT, including EQ, MUTE and FADER
- Audio parameter adjustment for simultaneous interpretation, including EQ, LOW CUT and OFF
- 10" TFT LCD screen for displaying status of each channel, connection status and setting interface
- Monitor earphone jacks with channel selector and volume control
- LCD screen rotary angle: 90° ~ 180°

Combining the HCS-8301MD Digital Audio Mixer with the HCS-8300 Congress Main Unit, the operator can adjust and monitor the audio of microphones, AES/Dante/line inputs, AES/line output and simultaneous interpretation without PC. All channel status can be displayed on 10" LCD screen.

### Controls and Indicators

- Through the control panel, the operator can monitor any six active microphone channels, up to 64 simultaneous interpretation channels (with paging), 2 AES/Dante/line inputs, 1 AES/line output channel

- Microphone channels: GAIN knob (-15 dB~+15 dB), 5 x EQ knob (9 KHz, 2.5 KHz, 1 KHz, 300 Hz, 80 Hz), FADER (-30 dB~0 dB), LOW CUT button, MUTE button, PEAK indicator
- AES/Dante/Line inputs: GAIN knob (-30 dB~0 dB), 5 x EQ knob (9 KHz, 2.5 KHz, 1 KHz, 300 Hz, 80 Hz), FADER (-30 dB~0 dB), MUTE button, PEAK indicator
- AES/Line output: 5 x EQ knob (10 KHz, 2.5 KHz, 1 KHz, 250 Hz, 100 Hz), FADER (-30 dB~0 dB), MUTE button, PEAK indicator
- Simultaneous interpretation channels: 3 x EQ knob (HF, MF, LF), FADER (-20 dB~+10 dB), MUTE button, OFF button, PEAK indicator, Engaged indicator
- 1 x channel selector knob for monitoring
- 1 x volume control knob for monitoring
- 10" TFT LCD
- Power switch with indicator

### Interconnections

- 1 x RJ45 standard socket (input) and 1 x 6P-DIN extension input socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 x RJ45 standard socket for connection to Congress Main Unit (TO MIXER)
- 6P-DIN extension output for connection with Congress Unit or Congress Extension Main Unit
- RJ45 standard socket for connection to Ethernet interface (LAN)
- Ø 6.3 mm and Ø 3.5 mm monitor headphone jacks
- 2 x 8P aviation socket for connecting control panel with LCD (equipped with cable)

### Technical Specifications

#### Electrical

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz  
Max. power consumption.....65 W

#### LCD

Type.....True color TFT LCD  
Dimension.....10.2 inches, 16:9  
Resolution.....800×480  
Display color.....2<sup>18</sup> (18 bit)  
Brightness.....400 cd/m<sup>2</sup>  
Contrast.....500:1

#### Mechanical

Dimensions h x w x d (mm).....103× 389 × 490 (unfurl)  
Weight.....7.0 kg  
Color.....Navy-blue (PANTONE 533 C)

### Ordering Information

HCS-8301MD .....Digital Audio Mixer for Conference  
(Dante parameter adjustable)

## HCS-8319 Service Request Control Unit




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### Functions

- Equipped with a 10" LCD touch panel (800×480)
- Cooperates with the "call service" function of paperless multimedia congress terminals
- Receives and displays seat information, requested service, etc. of the conventioners, followed by a response

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### Technical Specifications

#### Electrical

##### LCD

Type.....True color TFT LCD  
 Dimension.....10.2 inches  
 Display color.....2<sup>18</sup> (18 bit)

##### Power

###### Power adapter

Input.....AC 100 V - 240 V, 50 Hz / 60 Hz  
 Output.....Voltage: DC +15 V; max. current: 2.2 A;  
 output interface: Ø 5.5 mm plug

###### Battery

Spec.....Rechargeable Lithium-ion battery  
 Voltage.....16 V/19 V  
 Capacity.....48.8 Wh  
 Charging current.....Approx 1300 mA  
 Charging time.....3.5 - 4 hours

###### Current

Normal working current.....Approx 800 mA  
 Standby current.....100 mA - 120 mA  
 Power-off current.....1 mA - 1.5 mA

#### Mechanical

Mounting.....Tabletop  
 Dimensions (h × w × d).....87 × 270 × 216 mm  
 Weight.....2.3 kg  
 Color.....Gray (PANTONE Cool Gray 11 C)

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### Ordering Information

HCS-8319.....Service Request Control Unit

## **HCS-8300MOD/FSD 8 Channels Audio Output Device**



### **Functions**

- Converts the digital audio signals of the Congress System to multi channel digital(AES/EBU)/analog audio signals, for further processing in infrared simultaneous interpretation systems or recording devices
- Output level of each channel adjustable
- Configurable as Sync/Not sync power on/off with Congress Main Unit

### **Controls and Indicators**

- Graphic 256 × 32 LCD with back-lighting displays 8 CHs output channel number and language name, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator
- Channel indicators
- Volume adjust knob

### **Interconnections**

- 4 × XLR-M connector for 8 CHs digital (AES/EBU) audio outputs
- 8 × RCA connector for analog audio outputs (unbalanced)
- 8 × 3-pin Phoenix connector for analog audio outputs (balanced)
- 1 × headphone output socket (Ø 3.5 mm) for monitoring channel languages, adjustable volume and rotary step control for fast selection of language channels
- 1 × RJ45 standard socket (input) and 1 × 6P-DIN socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 × RJ45 standard socket (output) for connection with the sequencing Congress Extension Main Unit or audio input interface/audio output device
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for upgrading system and saving system parameters. Convenient for system maintenance
- Equipped with duplex SC single-mode optical fiber interface
- Dante interface to connect to peripheral digital devices without losing any sound quality

### **Technical Specifications**

#### **Electrical**

Frequency response.....	30 Hz to 20 kHz
SNR.....	>90 dBA
Dynamic range.....	>85 dB
Isolation.....	>90 dB
THD.....	<0.05%
Power supply.....	AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption.....	65 W

#### **Max. audio outputs**

Analog: 8 × RCA.....	+12 dBu
Analog: 8 × 3-pin Phoenix.....	+18 dBu
Digital: 4 × XLR-M.....	1 FFS
Output level adjustable range.....	-30 dB~ +20 dB, mute

#### **Mechanical**

Mounting.....	Tabletop or mounted in a 19" rack
Dimensions (h × w × d)	
For table use, with feet.....	99 × 430 × 325 mm
For 19" rack use, with brackets.....	89 × 478 × 350 mm
Weight.....	5.5 kg
Color.....	White (PANTONE 420 C)

### **Ordering Information**

HCS-8300MOD/FSD...8 Channels Audio Output Device (AES/EBU digital outputs, analog outputs, single-mode optical fiber interface, Dante interface)

## HCS-8300MOD 8 Channels Audio Output Device



### Functions

- Converts the digital audio signals of the Congress System to multi channel digital(AES/EBU)/analog audio signals, for further processing in infrared simultaneous interpretation systems or recording devices
- Output level of each channel adjustable
- Configurable as Sync/Not sync power on/off with Congress Main Unit

### Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays 8 CHs output channel number and language name, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator
- Channel indicators
- Volume adjust knob

### Interconnections

- 4 × XLR-M connector for 8 CHs digital (AES/EBU) audio outputs
- 8 × RCA connector for analog audio outputs (unbalanced)
- 8 × 3-pin Phoenix connector for analog audio outputs (balanced)
- 1 × headphone output socket (Ø 3.5 mm) for monitoring channel languages, adjustable volume and rotary step control for fast selection of language channels
- 1 × RJ45 standard socket (input) and 1 × 6P-DIN socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 × RJ45 standard socket (output) for connection with the sequencing Congress Extension Main Unit or audio input interface/audio output device
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for upgrading system and saving system parameters. Convenient for system maintenance

### Technical Specifications

#### Electrical

Frequency response.....	30 Hz to 20 kHz
SNR.....	>90 dBA
Dynamic range.....	>85 dB
Isolation.....	>90 dB
THD.....	<0.05%
Power supply.....	AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption.....	65 W

#### Max. audio outputs

Analog: 8 × RCA.....	+12 dBu
Analog: 8 × 3-pin Phoenix.....	+18 dBu
Digital: 4 × XLR-M.....	1 FFS
Output level adjustable range.....	-30 dB~ +20 dB, mute

#### Mechanical

Mounting.....	Tabletop or mounted in a 19" rack
Dimensions (h × w × d)	
For table use, with feet.....	99 × 430 × 325 mm
For 19" rack use, with brackets.....	89 × 478 × 350 mm
Weight.....	5.5 kg
Color.....	White (PANTONE 420 C)

### Ordering Information

HCS-8300MOD.....	8 Channels Audio Output Device (AES/EBU digital outputs, analog outputs)
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## HCS-8300MOA/FSD 8 Channels Audio Output Device



### Functions

- Converts the digital audio signals of the Congress System to multi channel analog audio signals, for further processing in infrared simultaneous interpretation systems or recording devices
- Output level of each channel adjustable
- Configurable as Sync/Not sync power on/off with Congress Main Unit

### Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays 8 CHs output channel number and language name, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator
- Channel indicators
- Volume adjust knob

### Interconnections

- 8 × RCA connector for analog audio outputs (unbalanced)
- 8 × 3-pin Phoenix connector for analog audio outputs (balanced)
- 1 × headphone output socket (Ø 3.5 mm) for monitoring channel languages, adjustable volume and rotary step control for fast selection of language channels
- 1 × RJ45 standard socket (input) and 1 × 6P-DIN socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 × RJ45 standard socket (output) for connection with the sequencing Congress Extension Main Unit or audio input interface/audio output device
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for upgrading system and saving system parameters. Convenient for system maintenance
- Equipped with duplex SC single-mode optical fiber interface
- Dante interface to connect to peripheral digital devices without losing any sound quality

### Technical Specifications

#### Electrical

Frequency response.....	30 Hz to 20 kHz
SNR.....	>90 dBA
Dynamic range.....	>85 dB
Isolation.....	>90 dB
THD.....	<0.05%
Power supply.....	AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption.....	65 W

#### Max. audio outputs

Analog: 8 × RCA.....	+12 dBu
Analog: 8 × 3-pin Phoenix.....	+18 dBu
Output level adjustable range.....	-30 dB~ +20 dB, mute

#### Mechanical

Mounting.....	Tabletop or mounted in a 19" rack
Dimensions (h × w × d)	
For table use, with feet.....	99 × 430 × 325 mm
For 19" rack use, with brackets.....	89 × 478 × 350 mm
Weight.....	5.5 kg
Color.....	White (PANTONE 420 C)

### Ordering Information

HCS-8300MOA/FSD.....8 Channels Audio Output Device (analog outputs, single-mode optical fiber interface, Dante interface)



## HCS-8300MOA 8 Channels Audio Output Device



### Functions

- Converts the digital audio signals of the Congress System to multi channel analog audio signals, for further processing in infrared simultaneous interpretation systems or recording devices
- Output level of each channel adjustable
- Configurable as Sync/Not sync power on/off with Congress Main Unit

### Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays 8 CHs output channel number and language name, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator
- Channel indicators
- Volume adjust knob

### Interconnections

- 8 × RCA connector for analog audio outputs (unbalanced)
- 8 × 3-pin Phoenix connector for analog audio outputs (balanced)
- 1 × headphone output socket (Ø 3.5 mm) for monitoring channel languages, adjustable volume and rotary step control for fast selection of language channels
- 1 × RJ45 standard socket (input) and 1 × 6P-DIN socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 × RJ45 standard socket (output) for connection with the sequencing Congress Extension Main Unit or audio input interface/audio output device
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for upgrading system and saving system parameters. Convenient for system maintenance

### Technical Specifications

#### Electrical

Frequency response.....	30 Hz to 20 kHz
SNR.....	>90 dBA
Dynamic range.....	>85 dB
Isolation.....	>90 dB
THD.....	<0.05%
Power supply.....	AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption.....	65 W

#### Max. audio outputs

Analog: 8 × RCA.....	+12 dBu
Analog: 8 × 3-pin Phoenix.....	+18 dBu
Output level adjustable range.....	-30 dB~ +20 dB, mute

#### Mechanical

Mounting.....	Tabletop or mounted in a 19" rack
Dimensions (h × w × d)	
For table use, with feet.....	99 × 430 × 325 mm
For 19" rack use, with brackets.....	89 × 478 × 350 mm
Weight.....	5.5 kg
Color.....	White (PANTONE 420 C)

### Ordering Information

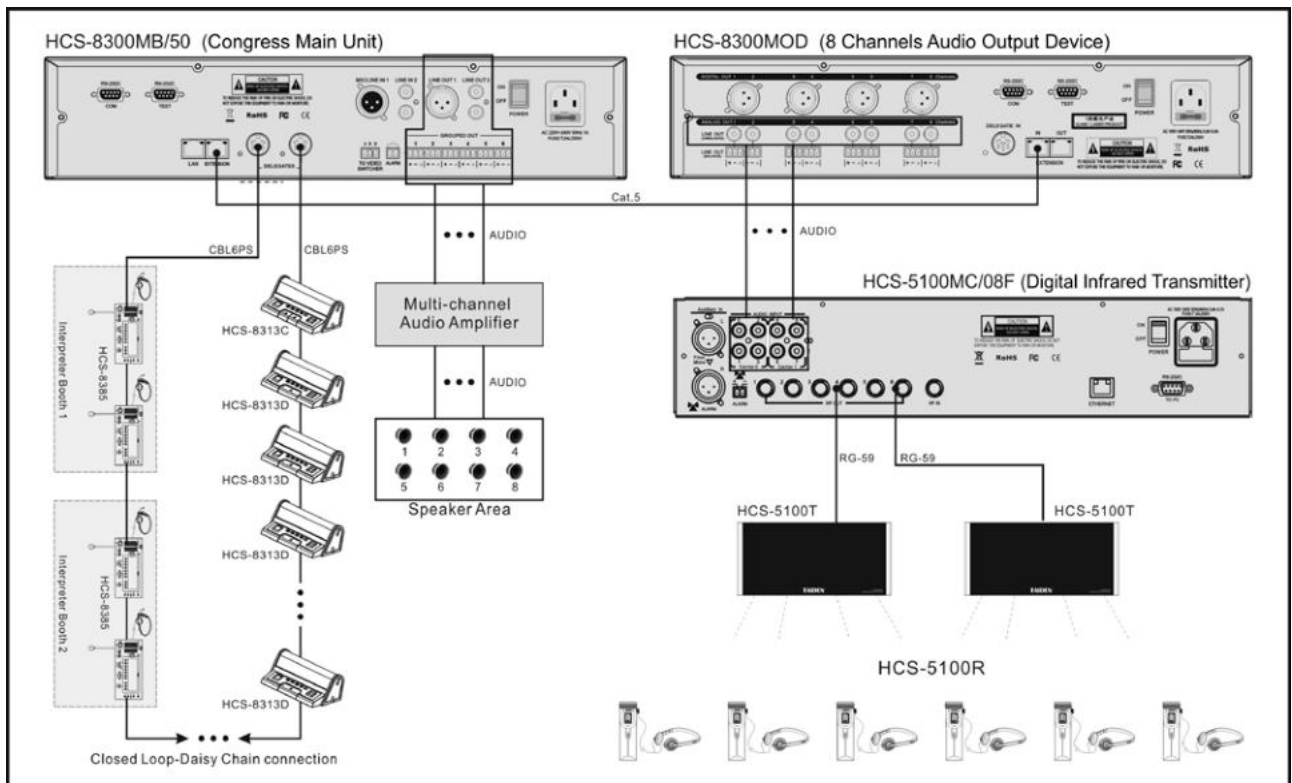
HCS-8300MOA.....	8 Channels Audio Output Device (analog outputs)
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**Function list**

Type No.	Analog output	Digital output	Optical fiber interface	Dante interface
HCS-8300MOD/FSD	√	√	√	√
HCS-8300MOD	√	√		
HCS-8300MOA/FSD	√		√	√
HCS-8300MOA	√			

**System Connection [discussion + voting + infrared simultaneous interpretation]**



## HCS-8300MID/FSD 8 Channels Audio Input Interface



### Functions

- Transmits 8 digital(AES/EBU)/analog audio channels to the interpretation channels of the Congress System, for example for remote interpretation purposes or for transmission to floor channel
- All inputs can be mixed with arbitrary ratio, and outputted to any channel
- Configurable as Sync/Not sync power on/off with Congress Main Unit

### Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays 8 CHs input channel number and language name, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator
- Channel indicators
- Volume adjust knob

### Interconnections

- 4 × XLR-F connector for 8 CHs digital (AES/EBU) audio inputs
- 8 × RCA connector for Line in (unbalanced)
- 8 × 3-pin Phoenix connector for Line in /microphone inputs (balanced)
- 1 × headphone output socket (Ø 3.5 mm) for monitoring channel languages, adjustable volume control and rotary step control for fast selection of language channels
- 1 × RJ45 standard socket (input) and 1 × 6P-DIN socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 × RJ45 standard socket (output) for connection with the sequencing Congress Extension Main Unit or audio input interface/audio output device
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance
- Equipped with duplex SC single-mode optical fiber interface
- Dante interface to connect to peripheral digital devices without losing any sound quality

### Technical Specifications

#### Electrical

Frequency response.....	30 Hz to 20 kHz
SNR.....	>90 dBA
Dynamic range.....	>85 dB
Isolation.....	>90 dB
THD.....	<0.05%
Power supply.....	AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption.....	65 W

#### Max. audio inputs

Analog: 8 × RCA.....	+18 dBu
Analog: 8 × 3-pin Phoenix (Line in).....	+8 dBu
Analog: 8 × 3-pin Phoenix (Mic. in).....	-12 dBu
Digital: 4 × XLR-F.....	1 FFS
Input sensitivity adjustable range.....	-20 dB ~ +10 dB, mute

#### Mechanical

Mounting.....	Tabletop or mounted in a 19" rack
Dimensions (h × w × d)	
For table use, with feet.....	99 × 430 × 325 mm
For 19" rack use, with brackets.....	89 × 478 × 350 mm
Weight.....	5.5 kg
Color.....	White (PANTONE 420 C)

### Ordering Information

HCS-8300MID/FSD...8 Channels Audio Input Interface (AES/EBU digital inputs, analog inputs, single-mode optical fiber interface, Dante interface)

## HCS-8300MID 8 Channels Audio Input Interface



### Functions

- Transmits 8 digital(AES/EBU)/analog audio channels to the interpretation channels of the Congress System, for example for remote interpretation purposes or for transmission to floor channel
- All inputs can be mixed with arbitrary ratio, and outputted to any channel
- Configurable as Sync/Not sync power on/off with Congress Main Unit

### Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays 8 CHs input channel number, language name, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator
- Channel indicators
- Volume adjust knob

### Interconnections

- 4 × XLR-F connector for 8 CHs digital (AES/EBU) audio inputs
- 8 × RCA connector for Line in (unbalanced)
- 8 × 3-pin Phoenix connector for Line in /microphone inputs (balanced)
- 1 × headphone output socket (Ø 3.5 mm) for monitoring channel languages, adjustable volume control and rotary step control for fast selection of language channels
- 1 × RJ45 standard socket (input) and 1 × 6P-DIN socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 × RJ45 standard socket (output) for connection with the sequencing Congress Extension Main Unit or audio input interface/audio output device
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance

### Technical Specifications

#### Electrical

Frequency response.....	30 Hz to 20 kHz
SNR.....	>90 dBA
Dynamic range.....	>85 dB
Isolation.....	>90 dB
THD.....	<0.05%
Power supply.....	AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption.....	65 W

#### Max. audio inputs

Analog: 8 × RCA.....	+18 dBu
Analog: 8 × 3-pin Phoenix (Line in).....	+8 dBu
Analog: 8 × 3-pin Phoenix (Mic. in).....	-12 dBu
Digital: 4 × XLR-F.....	1 FFS
Input sensitivity adjustable range.....	-20 dB ~ +10 dB, mute

#### Mechanical

Mounting.....	Tabletop or mounted in a 19" rack
Dimensions (h × w × d)	
For table use, with feet.....	99 × 430 × 325 mm
For 19" rack use, with brackets.....	89 × 478 × 350 mm
Weight.....	5.5 kg
Color.....	White (PANTONE 420 C)

### Ordering Information

HCS-8300MID.....	8 Channels Audio Input Interface (AES/EBU digital inputs, analog inputs)
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## HCS-8300MIA/FSD 8 Channels Audio Input Interface



### Functions

- Transmits 8 analog audio channels to the interpretation channels of the Congress System, for example for remote interpretation purposes or for transmission to floor channel
- All inputs can be mixed with arbitrary ratio, and outputted to any channel
- Configurable as Sync/Not sync power on/off with Congress Main Unit

### Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays 8 CHs input channel number, language name, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator
- Channel indicators
- Volume adjust knob

### Interconnections

- 8 × RCA connector for Line in (unbalanced)
- 8 × 3-pin Phoenix connector for Line in /microphone inputs (balanced)
- 1 × headphone output socket (Ø 3.5 mm) for monitoring channel languages, adjustable volume control and rotary step control for fast selection of language channels
- 1 × RJ45 standard socket (input) and 1 × 6P-DIN socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 × RJ45 standard socket (output) for connection with the sequencing Congress Extension Main Unit or audio input interface/audio output device
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance
- Equipped with duplex SC single-mode optical fiber interface
- Dante interface to connect to peripheral digital devices without losing any sound quality

### Technical Specifications

#### Electrical

Frequency response.....	30 Hz to 20 kHz
SNR.....	>90 dBA
Dynamic range.....	>85 dB
Isolation.....	>90 dB
THD.....	<0.05%
Power supply.....	AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption.....	65 W

#### Max. audio inputs

Analog: 8 × RCA.....	+18 dBu
Analog: 8 × 3-pin Phoenix (Line in).....	+8 dBu
Analog: 8 × 3-pin Phoenix (Mic. in).....	-12 dBu
Input sensitivity adjustable range.....	-20 dB ~ +10 dB, mute

#### Mechanical

Mounting.....	Tabletop or mounted in a 19" rack
Dimensions (h × w × d)	
For table use, with feet.....	99 × 430 × 325 mm
For 19" rack use, with brackets.....	89 × 478 × 350 mm
Weight.....	5.5 kg
Color.....	White (PANTONE 420 C)

### Ordering Information

HCS-8300MIA/FSD .....8 Channels Audio Input Interface (analog inputs, single-mode optical fiber interface, Dante interface)

## HCS-8300MIA 8 Channels Audio Input Interface



### Functions

- Transmits 8 analog audio channels to the interpretation channels of the Congress System, for example for remote interpretation purposes or for transmission to floor channel
- All inputs can be mixed with arbitrary ratio, and outputted to any channel
- Configurable as Sync/Not sync power on/off with Congress Main Unit

### Controls and Indicators

- Graphic 256 × 32 LCD with back-lighting displays 8 CHs input channel number, language name, supporting multi-language menu
- Four buttons for configuration
- Power switch with indicator
- Channel indicators
- Volume adjust knob

### Interconnections

- 8 × RCA connector for Line in (unbalanced)
- 8 × 3-pin Phoenix connector for Line in / microphone inputs (balanced)
- 1 × headphone output socket (Ø 3.5 mm) for monitoring channel languages, adjustable volume control and rotary step control for fast selection of language channels
- 1 × RJ45 standard socket (input) and 1 × 6P-DIN socket for connection with Congress Main Unit (only one unit can be connected at the same time to the Main Unit)
- 1 × RJ45 standard socket (output) for connection with the sequencing Congress Extension Main Unit or audio input interface/audio output device
- 2 × RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for system upgrading and saving system parameters. Convenient for system maintenance

### Technical Specifications

#### Electrical

Frequency response.....	30 Hz to 20 kHz
SNR.....	>90 dBA
Dynamic range.....	>85 dB
Isolation.....	>90 dB
THD.....	<0.05%
Power supply.....	AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption.....	65 W

#### Max. audio inputs

Analog: 8 × RCA.....	+18 dBu
Analog: 8 × 3-pin Phoenix (Line in).....	+8 dBu
Analog: 8 × 3-pin Phoenix (Mic. in).....	-12 dBu
Input sensitivity adjustable range.....	-20 dB ~ +10 dB, mute

#### Mechanical

Mounting.....	Tabletop or mounted in a 19" rack
Dimensions (h × w × d)	
For table use, with feet.....	99 × 430 × 325 mm
For 19" rack use, with brackets.....	89 × 478 × 350 mm
Weight.....	5.5 kg
Color.....	White (PANTONE 420 C)

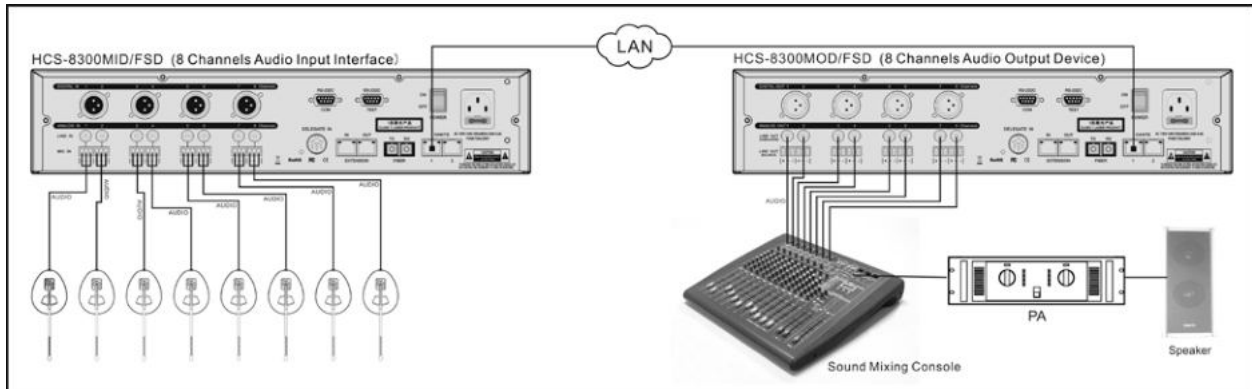
### Ordering Information

HCS-8300MIA.....	8 Channels Audio Input Interface (analog inputs)
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**Function list**

Type No.	Analog input	Digital input	Optical fiber interface	Dante interface
HCS-8300MID/FSD	√	√	√	√
HCS-8300MID	√	√		
HCS-8300MIA/FSD	√		√	√
HCS-8300MIA	√			

**System Connection [HCS-8300MI + HCS-8300MO multi-channel audio transmission]**



## HCS-8385HDMI Video Converter



### Features

- Video input: SDI interface, supporting resolutions from 720p to 1080p
- Video output: HDMI type A connector x 2 or 4, HDMI 1.4 compliant, compatible with HDCP
- Connection to HCS-8385/80 TAIDEN new generation simultaneous interpreter unit through cable with mini 6pin DIN plug on each end

### Technical Specifications

#### Video Input

Signal type.....SDI  
 Connector.....BNC  
 Resolutions.....720p50, 720p60  
 1080i50, 1080i60  
 1080p25, 1080p30, 1080p50, 1080p60

#### Video Output

Signal type.....HDMI  
 Connectors.....2 or 4 x female HDMI type A connector  
 Resolutions.....Up to 1080p60

#### General specs

Power supply.....9 V-12 V DC or from HCS-8385/80  
 Temperature.....Operating: 0 °C to + 50 °C;  
 storage: -20 °C to + 70 °C  
 Humidity.....Storage and operating: 10% to 90%  
 Dimensions h x w x d (mm).....40 x 150 x 100  
 Color.....Gray (PANTONE 425 C)  
 Weight.....0.4 kg

### Ordering Information

HCS-8385HDMI/02.....Video Converter (2 HDMI output,  
 HCS-8385/80 needed)  
 HCS-8385HDMI/04.....Video Converter (4 HDMI output,  
 HCS-8385/80 needed)

## EP-960AN Interpreter Headset



### Features

- Incorporated with interpreter unit for monitoring and speaking
- Hi-Fi sound quality
- Interpreters can wear the headset according to their habits
- Greater headband adjustability, suitable for all the users
- 150 Ohm x 2, Ø 3.5 mm TRRS plug
- Frequency response of headphone: 20 Hz to 20 kHz
- Sensitivity of headphone: ≥108 dBA/1 mW
- Polar pattern of microphone: Omnidirectional
- Frequency response of microphone: 50 Hz to 20 kHz
- Sensitivity of microphone: -48 dBV/Pa
- Impedance of microphone: <680 Ohm

### Ordering Information

EP-960AN.....Interpreter Headset (TRRS plug, stereo, including  
 a pair of EP-960HD detachable Earshells)

## HCS-8385MP Mounting Plate



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### Features

- Used for flush-mounting of HCS-8385/80 Interpreter Unit

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### Technical Specifications

#### Mechanical

Dimensions (h x w x d)..... 1 x 340 x 168 mm

Weight..... 53 g

Color..... Gray (PANTONE Cool Gray 11 C)

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### Ordering Information

HCS-8385MP..... Flush-mounting Plate (for HCS-8385/80)