TAIDEN®

Fully Digital Congress System

HDMI CABLE
Projector
WiFi
无线 AP
PC
Switcher \HUB
Control PC
WiFi
HCS-4345NTK/80
TMX-HDSDI2HDMI/20
RG-6
Cat.5
RS-485
Cat.5
Cat.5
Cat.5
Cat.5
Cat.5
VGA
DANTE
CBL6PS
HCS-0808SDI
HCS-6100MCP4/WS
HCS-8300MAD/FS/50
HCS-8300ME/FS
AUDIO
AUDIO
RS-232C
Amplifier
Loudspeaker
Recorder
AUDIO
Wireless Microphone
HCS-8301MD
HCS-4890/52
HCS-4890/52
HCS-4890/52
HCS-4890/52
HCS-4890/52
HCS-4890/52
HCS-4890/52
HCS-4890/52
HCS-4385U/50 Interpreter Booth 1
HCS-4385U/50 Interpreter Booth 2
RS-485
RG-6
HCS-3316HDN

ISO9001: 2015
Certificated by ANAB
Certificate No.: FM 85884

CE certificated
(including EMC and Safety)
Certificate No.: WT158003921, WT153004035

FCC certificated
Certificate No.: WT158003922

RoHS
Comply with Directive
2011/65/EU of the
European Parliament

Distributed by:

ICCA
Member of International Congress
& Convention Association (ICCA)

in

Excellent conferencing solutions

CONTENTS

Fully Digital Congress System

Features

- Compliant with ISO 22259, the international standard
- "Closed Loop-Daisy Chain" connection ensuring an easy installation and uninterrupted meeting flow with dual backup
- Proprietary MCA-STREAM technology used to process and transmit fully digital audio between congress units as well as between congress units and main unit(s)
- Audio sampling of 48 kHz and all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Separate adjustment of gain and EQ of each microphone according to the sound characteristics of different speakers for the perfect sound
- Automatic system recovery and "PnP (plug and play)"
- Independent operation from computer for discussion, voting and 1+63 channels of interpretation
- Comprehensive solutions with various models to meet various demands of meeting organizers
- Diversified, forward-looking and extensible software modules
- Easy integration with peripheral equipment such as video-tracking system and network central control system
- Excellent immunity to RF interferences from mobile phones

General

Fully Digital Congress System based on TAIDEN proprietary MCA-STREAM (Multi-Channel-Audio Stream), which has its own intellectual property rights; revolutionizes conference systems by introducing fully digital technology and network technology and integrating them fully with audio technology. Not only that HCS-4100/50 Series Fully Digital Congress System provides diversified software modules and an abundant supply of conference equipment for you to choose, also it seamlessly integrates conference sign-in system and network central control system. TAIDEN is the first in the industry to offer a comprehensive and efficient solution for modern conference systems to meet the needs of a wide range of its users.

High quality digital audio

Stable and reliable system

Easy and efficient meetings

Technical Specifications
Frequency response: 30 Hz ~ 20 kHz
SNR: ≥90 dBA
Dynamic range: ≥90 dB
Isolation: ≥85 dB
THD: ≤0.05%

Headphones
Frequency response: 30 Hz ~ 20 kHz
Load impedance: >16 Ohm
Output: 13 mW

Max. audio inputs
LINE IN 1 +10 dBu, BAL.
LINE IN 2 +10 dBu, UNBAL.

Max. audio outputs
LINE OUT 1 +20 dBu, BAL.
LINE OUT 2 +20 dBu, UNBAL.

Microphone
Transducer: Electret-condenser
Sensitivity: -46 dBV/Pa
Frequency response: 50 Hz ~ 20 kHz
Input impedance: 2 KOhm
Directivity 0°/180°: ≥20 dB (1 kHz)
Equivalent noise: 20 dBA (SPL)
Max. SPL: 125 dB (THD<3%)

Product

Congress Unit

HCS-4890 Series

HCS-4891 Series

HCS-4886/54 Series

HCS-4338/50 Series

HCS-4860/65/66 Series

HCS-48U10 Series

HCS-48U7 Series

HCS-48U6 Series

HCS-4341/4841 Series

HCS-4325/26/27 Series

HCS-4851 Series

HCS-4842NA/50

Voting Unit

HCS-4368 Series

Interpreter Unit

HCS-4385U/50

Audio Distributor

HCS-4342X4/50

Main Unit

HCS-4100M/50 Series

HCS-8300ME Series

HCS-8300MI Series

HCS-8300MO Series

HCS-8300MX

HCS-8300MX/FS

Fully Digital Conference Unit

HCS-4890 Series

Features

- Exquisite and sleek 4.3" touchscreen
- Smoothly and simply control the meeting flow
- Informative display of meeting proceedings: delegate profile, speaking list, speech timing, voting, simultaneous interpretation, meeting service etc.
- Transmitting up to 64 CHs digital audio signals, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Built-in channel selector with independent volume adjustment
- Easy configuration of chairman, VIP or delegate unit negating the need to change the hardware
- Automatical camera tracking after computer presetting
- Dimensions (h×w×d, microphone not included): 59 mm×216 mm×106 mm

**Maximized Meeting Efficiency
Escalated System Reliability**

Function List

Model No.	Type	Speech	Voting	SI	4.3" touchscreen	Contactless IC Card	Loudspeaker
HCS-4890CVS/52	Chairman	●	●	64 CHs	●	●	●
HCS-4890DVS/52	Delegate	●	●	64 CHs	●	●	●
HCS-4890DS/52	Delegate	●		64 CHs	●		●
HCS-4890C/52	Chairman	●			●		●
HCS-4890D/52	Delegate	●			●		●

Selected Cases

Permanent Site for Y.B.L China Entrepreneurs Forum

The Meeting Room of the Standing Committee of People's Congress of Xiamen

Fully Digital Conference Unit

HCS-4891 Series

Features

- Exquisite and sleek 4.3" touchscreen
- Smoothly and simply control the meeting flow
- Informative display of meeting proceedings: delegate profile, speaking list, speech timing, voting, simultaneous interpretation, meeting service etc.
- Transmitting up to 64 CHs digital audio signals, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Two built-in channel selectors with independent volume control
- Easy configuration of chairman, VIP or delegate unit negating the need to change the hardware
- Dimensions (h×w×d, microphone not included): 68 mm×99mm×145mm

The Best Partner for International Congresses

Exquisite Design
Informative Display
Various Functions
Simple And Smooth Control
Dual Backup Microphones
Stable And Reliable System

HCS-4891/50 Series

HCS-4891R/50 Series

Function List

| Model No.	Type	Speech	Voting	SI	4.3" touchscreen
HCS-4891CVS/50	Chairman	●	●	64 CHs×2	●
HCS-4891DVS/50	Delegate	●	●	64 CHs×2	●
HCS-4891DS/50	Delegate	●		64 CHs×2	●
HCS-4891C/50	Chairman	●			●
HCS-4891D/50	Delegate	●			●
HCS-4891RCVS/50	Chairman	●	●	64 CHs×2	●
HCS-4891RDVS/50	Delegate	●	●	64 CHs×2	●
HCS-4891RDS/50	Delegate	●		64 CHs×2	●
HCS-4891RC/50	Chairman	●			●
HCS-4891RD/50	Delegate	●			●

Selected Cases

BRICS Summit

Fully Digital Conference Unit

HCS-4886/54 Series

Features

- Elegant and ergonomic tabletop design
- Transmitting up to 64 CHs digital audio signals, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- LCD display of discussion and voting status, short message, menu, language and channel number
- Intercom channel allowing communication between chairman, delegate, interpreter and operator
- Initiating voting via the chairman unit without a PC
- Dedicated software module for more forms of voting
- Priority button on the chairman unit to turn on, turn off/mute the active delegate unit
- Stem microphone: 330 mm, 410 mm (default), 470 mm
- Dimensions (h×w×d, stem not included): 66 mm×251 mm×121 mm

○ Champagne (_S)
● Charcoal gray (_G)
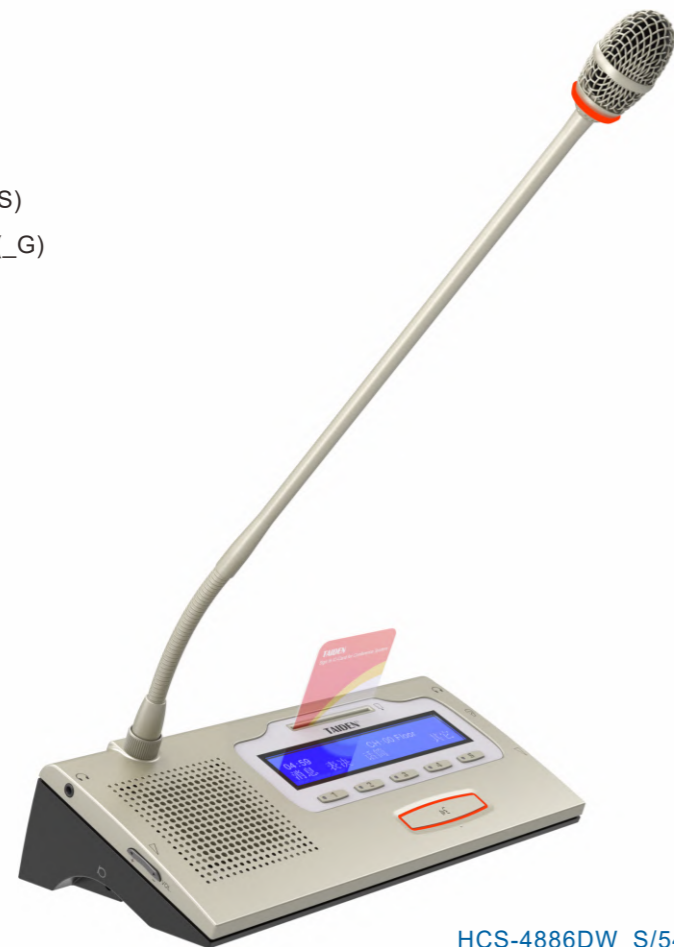
HCS-4886DW_S/54

Function List

Model No.	Type	Speech	Voting	Contactless IC Card	SI	256x32 LCD
HCS-4886CW/54	Chairman	●	●	●	●	●
HCS-4886DW/54	Delegate	●	●	●	●	●
HCS-4886NX/52	Operator	Intercom only			●	●

Selected Cases

2016 ASEM Summit

2015 IMF-World Bank Annual Meetings

2014 ITU Plenipotentiary Conference

Fully Digital Conference Unit

HCS-4338/50 Series

Features

- Exquisite and delicate tabletop design for ease of use and transport
- Cable coming out of the base for a tidier wiring
- Water resistant and noise-free buttons with long service life
- OLED screen with high brightness and contrast, wide viewing angle and low power consumption
- Transmitting up to 64 CHs digital audio signals, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz

- Dedicated software module for more forms of voting
- Priority button on the chairman unit to turn on, turn off/mute the active delegate unit
- Dual delegate units with user identification function, predefined camera positions and IDs for two delegates sharing one unit
- Stem microphone: 330 mm, 410 mm (default), 470 mm
- Dimensions (h×w×d, stem not included): 73 mm×101 mm×133 mm

Function List

Model No.	Type	Speech	Voting	SI	OLED
HCS-4338NCVS/50	Chairman	●	●	●	●
HCS-4338NDVS/50	Delegate	●	●	●	●
HCS-4338NCS/50	Chairman	●		●	●
HCS-4338NDS/50	Delegate	●		●	●
HCS-4338NDV/50	Delegate	●	●		●
HCS-4338NC/50	Chairman	●			
HCS-4338ND/50	Delegate	●			
HCS-4338NDDS/50	Dual delegates	●		64 CHs x 2	●

○ Champagne (_B)
● Charcoal gray (_D)

HCS-4338NCVS_D/50

HCS-4338NDDS_B/50

Selected Cases

IMF-Word Bank Annual Meetings 2018

20220 Second Unted Nations Global Sustainable Transport Conference

Fully Digital Conference Unit

HCS-4860/65/66 Series

Features

- Sedate metal tabletop design
- Multiple microphone options for various meeting demands
- OLED screen with high brightness and contrast, wide viewing angle and low power consumption
- Transmitting up to 64 CHs digital audio signals, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz

- Dedicated software module for more forms of voting
- Priority button on the chairman unit to turn on, turn off/mute the active delegate unit
- Chairman unit with approval button to approve speaking requests
- Base dimensions (h×w×d, microphone not included): 64 mm×115 mm×123 mm

The Choice of Summits

Digital Audio   Stable System   Excellent Sound   Efficient Meeting

HCS-4865/50 Series

HCS-4866/50 Series

HCS-4860CS/54

Function List

Model No.	Type	Speech	SI	OLED
HCS-4860CS/54	Chairman	●	●	●
HCS-4860DS/54	Delegate	●	●	●
HCS-4860C/54 HCS-4865C/50 HCS-4866C/50	Chairman	●		
HCS-4860D/54 HCS-4865D/50 HCS-4866D/50	Delegate	●		

Selected Cases

2016 G20 Hangzhou Summit

The Second Belt and Road Forum for International Cooperation

Fully Digital Congress Unit With Dual Backup Microphone

Overview

Congress unit with dual backup microphone features a built-in electret main microphone and an isolated backup microphone, both with hypercardioid polar pattern. The backup microphone is driven by phantom power and connected to audio mixer via XLR connector. In case the main microphone system malfunctions, the backup microphone system can take over to ensure an uninterrupted meeting flow.
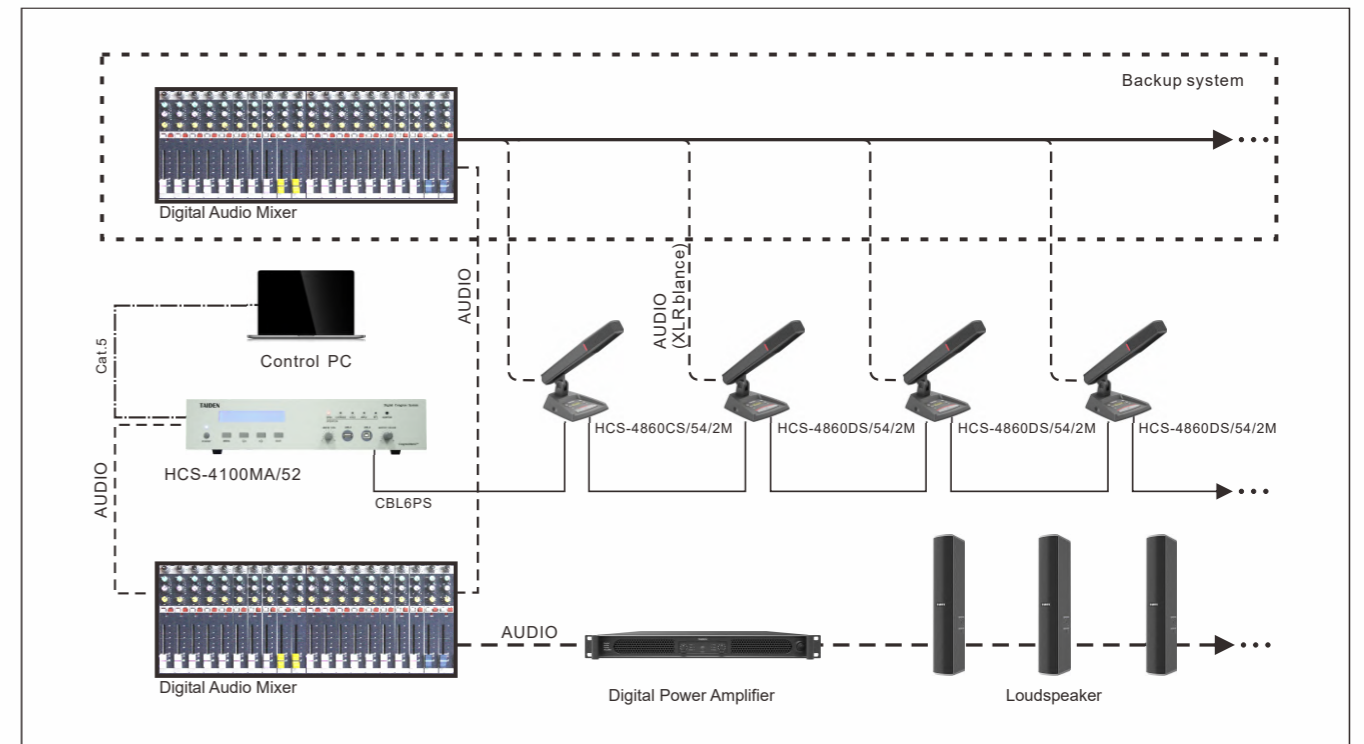
XLR connector for backup by connecting to the audio mixer

XLR connector for backup by connecting to the audio mixer

HCS-4860/54/2M Series

HCS-4891R/50/2M Series

Function List

Model No.	Type	Main Mic. & Backup Mic.	Voting	SI	Screen	Base Dimensions (h×w×d, mm)
HCS-4860CS/54/2M	Chairman	●		64 CHs	OLED	
HCS-4860DS/54/2M	Delegate	●		64 CHs	OLED	73×101×133
HCS-4860C/54/2M	Chairman	●				
HCS-4860D/54/2M	Delegate	●				
HCS-4891RCVS/50/2M	Chairman	●	●	64 CHs×2		
HCS-4891RDVS/50/2M	Delegate	●	●	64 CHs×2		
HCS-4891RDS/50/2M	Delegate	●		64 CHs×2	4.3" touchscreen	68×99×145
HCS-4891RC/50/2M	Chairman	●				
HCS-4891RD/50/2M	Delegate	●				

Dual Backup Microphone Solution for High-end Congress

Backup system

Digital Audio Mixer

Control PC

AUDIO

AUDIO (XLR blance)

Cat.5

HCS-4100MA/52

CBL6PS

AUDIO

HCS-4860CS/54/2M   HCS-4860DS/54/2M   HCS-4860DS/54/2M   HCS-4860DS/54/2M

Digital Audio Mixer

AUDIO

Digital Power Amplifier

Loudspeaker

Fully Digital Conference Unit

HCS-48U10 Series

Features

- Perfectly fit flush-mounting design and exquisite metal panel
- Transmitting up to 64 CHs digital audio signals, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- OLED screen with high brightness and contrast, wide viewing angle and low power consumption
- Intercom channel allowing communication between chairman, delegate, interpreter and operator
- Dedicated software module for more forms of voting
- Priority button on the chairman unit to turn on, turn off/mute the active delegate unit
- Delegate unit with dual channel selectors allowing for dual predefined camera positions and IDs
- Stem microphone: 330 mm, 410 mm (default), 470 mm

HCS-48U10DS/50

HCS-48U10CVSE/50

Function List

Model No.	Type	Speech	Voting	Contactless IC Card	SI	OLED	Dimensions (h×w×d,mm)
HCS-48U10CVSE/50	Chairman	●	●	●	●	●	
HCS-48U10DVSE/50	Delegate	●	●	●	●	●	
HCS-48U10DVE/50	Delegate	●	●	●			72×245×80
HCS-48U10DS/50	Delegate	●			●	●	
HCS-48U10DDS/50	Dual delegates	●			64 CHs x 2	●	

Selected Cases

French Senate

Council of Europe

Fully Digital Conference Unit

HCS-48U7 Series

Features

- Perfectly fit flush-mounting design and exquisite metal panel; flexible for different combinations of function modules according to furnishing or meeting requirements.
- Audio sampling of 48 kHz
- LCD display of discussion and voting status, short messages, menu and language channels
- Intercom channel allowing communication between chairman, delegate, interpreter and operator during a conference
- Initiating voting on the chairman unit without a PC
- Dedicated software module for more forms of voting
- Priority button on the chairman unit to turn on, turn off/mute the active delegate unit
- Stem microphone: 240 mm, 330 mm, 410 mm (default), 470 mm

HCS-48U7DMIC (Speech)
HCS-48U7DVOTF (Voting)
HCS-48U7SPK (Loudspeaker)

Function List

Model No.	Type	Speech	Voting	256x32 LCD	Connection	Dimensions (h×w×d,mm)
HCS-48U7CMIC	Chairman	●			HCS-48U7VOTF or HCS-4340U needed	72×245×80 (stem not included)
HCS-48U7DMIC	Delegate	●				
HCS-48U7CVOTF	Chairman		●	●	Can be used independently	38×185×80
HCS-48U7DVOTF	Delegate		●	●		
HCS-48U7SPK	Loudspeaker				HCS-48U7VOTF or HCS-4340U needed	71×80×80
HCS-48U7CMICSPK/50	Chairman	●			HCS-4340U needed	71×140×80
HCS-48U7DMICSPK/50	Delegate	●				

Selected Cases

Cergy Cityhall, France
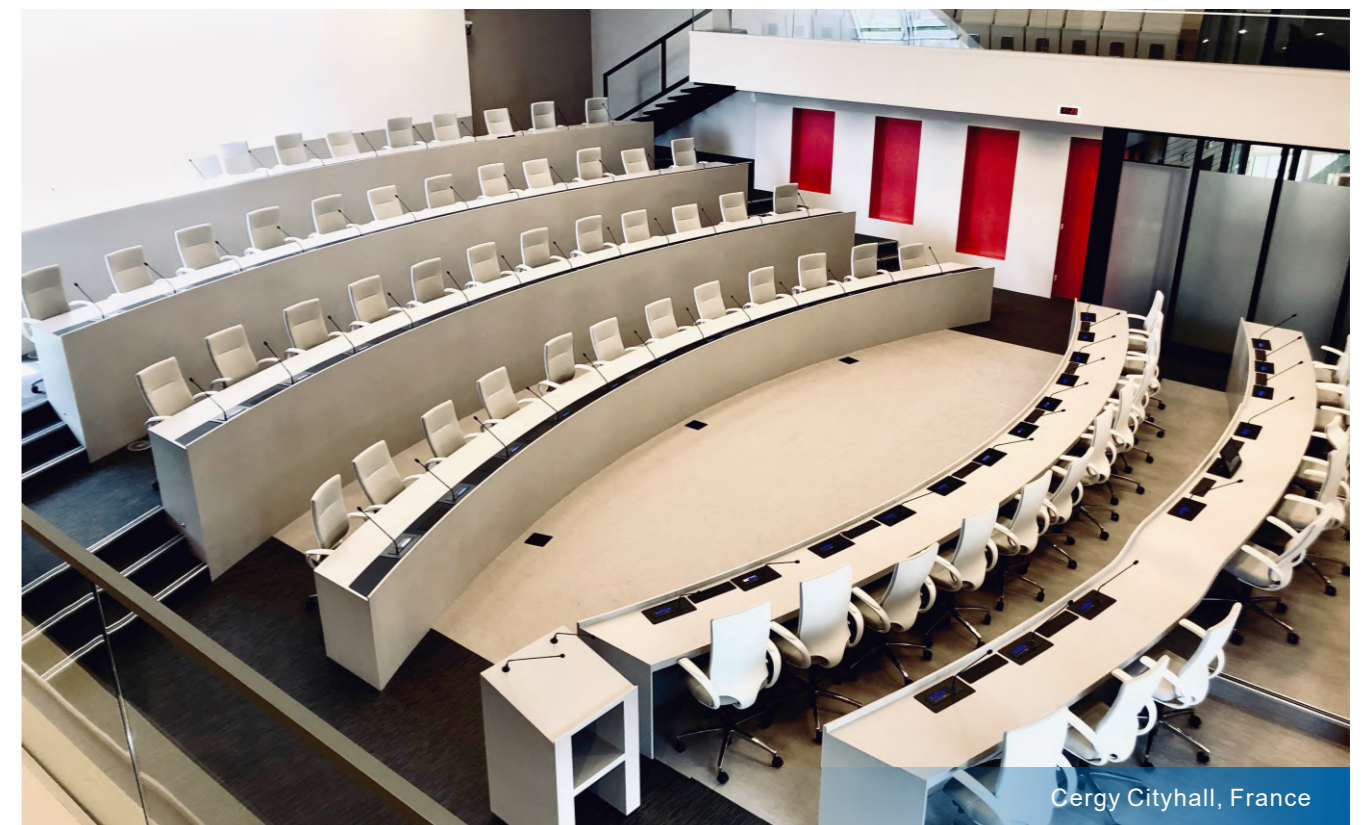
Fully Digital Conference Unit

HCS-48U6 Series

Features

- Perfectly fit flush-mounting design and exquisite metal panel; flexible for different combinations of function modules in accordance with furnishing or meeting requirements.
- Transmitting up to 64 CHs digital audio signals, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- OLED screen with high brightness and contrast, wide viewing angle and low power consumption
- Dedicated software module for more forms of voting
- Priority button on the chairman unit to turn on, turn off/mute the active delegate unit

HCS-48U6SPK (Loudspeaker)
HCS-48U6DMICS (Speech)
HCS-48U6SELM (Channel selector)
HCS-48U6DVOTTW (Voting)

Function List

Model No.	Type	Speech	Voting	Contactless IC Card	SI	OLED	Connection	Dimensions (h×w×d,mm)
HCS-48U6CMICM	Chairman	●					Can be used independently	71×100×40
HCS-48U6CMICS	Chairman	●					HCS-48U6SELM needed	36×100×40
HCS-48U6DMICM	Delegate	●					Can be used independently	71×100×40
HCS-48U6DMICS	Delegate	●					HCS-48U6SELM needed	36×100×40
HCS-48U6DVOTTW	Delegate		3-keys	●			HCS-48U6MICM or HCS-48U6SELM needed	73×100×40
HCS-48U6SELM	Channel Selector				●	●	Can be used independently	71×100×40
HCS-48U6SPK	Loudspeaker						HCS-48U6MICM or HCS-48U6SELM needed	71×80×80

Selected Cases

French National Assembly

HCS-4325/26/27 Series

Features

- Perfectly fit flush-mounting design and exquisite metal panel; flexible for different combinations of function modules according to furnishing or meeting requirements
- Transmitting up to 64 CHs digital audio signals, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Dual 64CHs channel selectors with independent volume control allowing two delegates to share one unit
- Dedicated software module for more forms of voting
- Stem microphone: 330 mm, 410 mm (default), 470 mm

Function List

Model No.	Type	Speech	Voting	SI	Dimensions (h×w×d,mm)	Color
HCS-4325N/50	Dual 64-channel Selector			64 CHs x 2	86×139×40	Charcoal gray
HCS-4326ND/50	Delegate		●	●		
HCS-4327HD/50	Delegate	●			143×40×40	Black
HCS-4327HDA/50	Delegate	●			143×23×23	

Note: Combined application with HCS-4325/50 or HCS-4326/50 series is required for units of HCS-4327/50 series.

HCS-4325N_G/50 + HCS-4327HD/50

Selected Cases

United Nations Office at Geneva

Fully Digital Conference Unit

HCS-4341/4841 Series

Features

- Need to use together with HCS-4340/50 Multi-Function Connector
- Transmitting up to 64 CHs digital audio signals, all 64 channels perfectly reproducing audio frequencies between 30 Hz and 20 kHz
- Priority button on the chairman unit to turn on, turn off/mute the active delegate unit
- Stem microphone: 330 mm, 410 mm (default), 470 mm

HCS-4842NA/50
64-channel Selector

HCS-4341B/50
Boundary Microphone

HCS-4340/50
Multi-Function Connector

Selected Cases

HCS-4841U/50
Metal Paneled Microphone

HCS-4841UA/50
Metal Paneled Microphone

HCS-4841NC/50
Metal Paneled Microphone

MFS Investment Fund Management, USA

Fully Digital Conference Unit

HCS-4851 Series

Features

- Retractable array microphone
- Proprietary MCA-STREAM audio processing and transmission technology
- Audio sampling of 48 kHz
- Separate adjustment of gain and EQ (5 band) of conference units
- Chairman or delegate unit optional
- Dimensions (h×w×d, array mic. not included): 299 mm×66 mm×105 mm
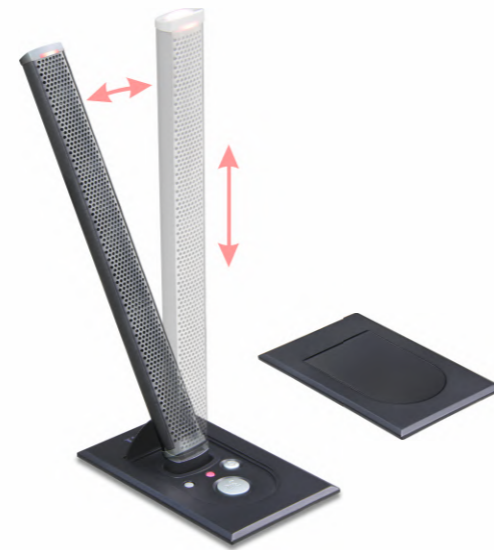
HCS-4851C_B/50

Portable 4 Channels Audio Distributor

HCS-4342X4/50

Features

- For audio distribution to the media
- Faster processing and better audio quality with fully digital audio technology and built-in high-performance CPU
- Up to 64 language channels available
- Four-channel output with independent channel selector and volume control
- OLED display of the live channel number, name and volume
- Dimensions (h×w×d): 226 mm×141 mm×42 mm

HCS-4342X4/50

Large-scale Fully Digital Voting System

HCS-4368 Series

Overview

With built-in high-performance CPU, TAIDEN Large-scale Voting System boasts a full duplex transmission rate at 100 Mbps. The main unit is also connected to PC via high-speed Ethernet to ensure a swift and accurate voting session.
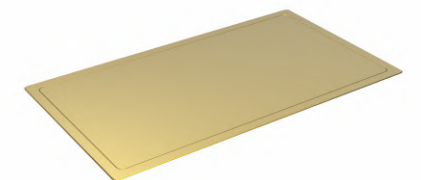
The voting system takes an international lead in terms of its reliability and security with its redundancy for dual backup of the main unit and PC, and anti-static and water resistant design.

HCS-4368ADTSE/FM/52
3 keys

HCS-4368ADFE/FM/52
5 keys

Flush-mount cover

Function List

Model No.	Voting	Mounting	Base Dimensions (mm)	Color
HCS-4368ADTSE/FM/52	3 keys	Flush-mounting	140×64	
HCS-4368ADTE/FM/52	3 keys	Flush-mounting	160×90	Silver panel + Golden frame
HCS-4368ADFSE/FM/52	5 keys	Flush-mounting	140×64	
HCS-4368ADFE/FM/52	5 keys	Flush-mounting	160×90	

Fully Digital Congress System Interpreter Unit

HCS-4385U/50

Overview

HCS-4385U/50 adopts fully digital audio technology and complies with ISO 22259, ISO 2603, ISO 4043 and GB 50524-2010 "Infrared Simultaneous Interpretation System Engineering Technical Specifications".

Features

Elegant Design

- Electret condenser microphone with bi-color indicator light
- 256×64 backlit LCD screen with high brightness and richer display content
- Stem microphone: 330 mm (default), 410 mm, 470 mm
- Supports tabletop placement and up to 6 interpreter units in one booth

Multiple Languages

- Up to 64 interpretation channels
- Support direct and relay interpretation
- Support preset 5 input channels and 3 output channels

Superior Sound Quality

- Audio sampling of 48 kHz and 64 channels audio frequencies between 30 Hz and 20 kHz
- Gain and EQ (3 band) of an activated microphone is adjustable via software
- Built-in high-pass filter to filter out bass
- Built-in loudspeaker with volume control, if all microphones are off, the loudspeaker will play floor language or interpretation channe

Human-centered Design

- Call function: request help from the operator
- Speaking speed reminder: send a speaking speed reminder to the active unit
- Tactile buttons with tone and braille logo, which is convenient for the visually impaired to use
- Mute function: prevents constrained voice being transmitted
- Intercom: two-way communication with the host during the conference

Selected Cases

United Nations Office at Geneva
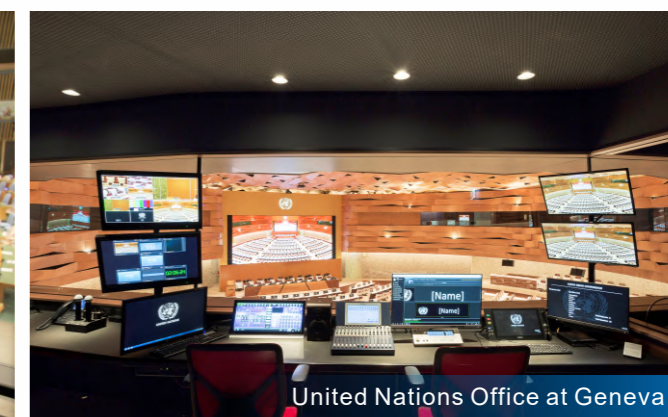
Fully Digital Congress Main Unit

HCS-4100M/50 Series

Features

- Fully digital control of the main unit and digital transmission between congress units and the main unit based on TAIDEN's proprietary MCA-STREAM digital processing and transmitting technologies
- Audio signal processing by dedicated high-performance DSP with its audio sampling at 48 kHz and 32 kHz
- Flexible for connection with various audio input or output devices
- Intercom
- Various forms of rooms combining/splitting with TAIDEN's dedicated devices
- Compatible with TAIDEN HCS-8300 Series Paperless Multimedia Congress System (without the features distinctive of the HCS-8300 series)
- Transmitting up to 64(1+63) channels of digital audio signals and accommodating more audiences with channel selectors and/or IR language distribution system
- Able to work in stand-alone mode for speech, discussion, voting (Yes/No/Abstain) and simultaneous interpretation
- Comprehensive meeting management functions with dedicated management software, such as microphone management, a variety forms of voting, etc.
- Hot backup of the main unit where another main unit is configured as a standby and ready to take over once the system fails
- Automatic switch of the main unit to stand-alone mode in case of PC failures to ensure a smooth meeting flow
- Compatible with peripheral devices for video tracking, alarm system and central control over network

HCS-8300ME Series Congress Extension Main Unit

- Allows for system capacity extension when used together with main unit(s) of HCS-8300M or HCS-4100M/52 series

HCS-8300MI Series 8 Channels Audio Input Interface

- Transmits 8 channels of digital (AES/EBU)/analog audio to the interpretation channel of the conference system for remote interpretation or transmits to the floor channel

HCS-8300MO Series 8 Channels Audio Output Device

- Converts digital audio signals of the conference system into multi-channel digital (AES/EBU)/analog signals for interpretation or recording

HCS-8300MX Congress Room Combiner

- 8 X RJ45 standard socket for connection with congress main unit
- Perfect solution for selectively combining or separating meeting rooms
- Enables coupling of up to 8 rooms with one combiner

HCS-8300MX/FS Booth Combiner

- Perfect solution for selectively combining or separating booths
- Allows for coupling or separating of conference rooms (6/12/24) and enables interpreter booth sharing with HCS-8302MX/FS General Controller
- Up to 8 booths can be merged or splitted