TAIDEN®

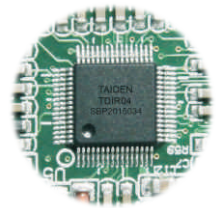## Compact Digital Infrared Wireless Conference System

Overview

Since TAIDEN introduced the world's first digital infrared wireless conference system in 2008, its HCS-5300 Series Digital Infrared Wireless Conference System has successfully equipped the United Nations Headquarters, the World Bank, the Business Roundtable Headquarters, the China National Convention Center, the Ningxia International Convention Center, Chongqing Municipal Government and many other high-profile venues.

Now TAIDEN extends its portfolio of wireless conferencing solutions by launching a compact complement, HCS-5335 Series Compact Digital Infrared Wireless Conference System. Its performance stays true to its predecessor but features ingenious integration by combining the transceiver and the control unit together. No changes or further holes need to be made in the meeting rooms to be equipped thanks to its wireless transmission of audio signals and tabletop/on-tripod installation of the new main unit, making the system an ideal solution for small to medium sized multipurpose rooms or historical buildings.

System Features

● Digital infrared audio processing and transmitting technologies ensure superb sound quality:
   Freq. Response: 20 Hz to 20 kHz
   S/N: ＞85 dBA
   THD: ＜0.06%
● IR transmission technology, no worries about eavesdropping
   and radio interference, no RF radiation
● Unlimited quantity of infrared wireless conference systems within a building
● Easy to set up, move and remove, no wiring or drilling,
   perfect solution for historic venues
● Compact and highly efficient control unit with built-in infrared receiver
● 1~8 MHz transmission frequency, undisturbed by HF driven light sources and mobile phones
● IR coverage area radius＞8 m (4 m high ceiling)
● Excellent immunity to RF interference from mobile phones and RF devices
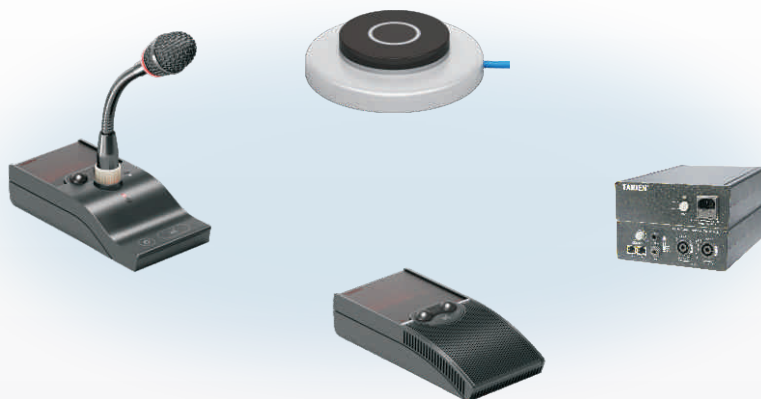

TDIR04
Digital Infrared Processing Chip

All you need for a neat meeting room!

Small in Size

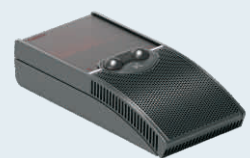Big on Power

HCS-5335 Digital IR Wireless Conference Unit

● Tabletop, intuitive and ergonomic design

● Based on TAIDEN proprietary dirATC—digital infrared Audio Transmitting and Control technologies

● Compliant with IEC 60914

● DQPSK digital modulation/demodulation technology

● Up to 200 discussion units in a system

● A unique ID can be assigned to each discussion unit in one system for easy configuration

● 1~8 MHz transmission frequency, undisturbed by HF driven light sources and mobile phones

● IR coverage area radius＞8 m (4 m high ceiling)

● Automatic adjustment of infrared emission power

● Built-in rechargeable lithium battery, operation duration about 8 hours

Uni-directional electret condenser microphone with bi-color ring light

IR transmitter

Stem microphone can be unplugged during adjournment, easy to maintain
(Stem length: 160 mm (default), 270 mm, 330 mm, 410 mm, 470 mm)

IR receiver

Charging and battery indicator

Mic. indicator

Microphone On/Off button
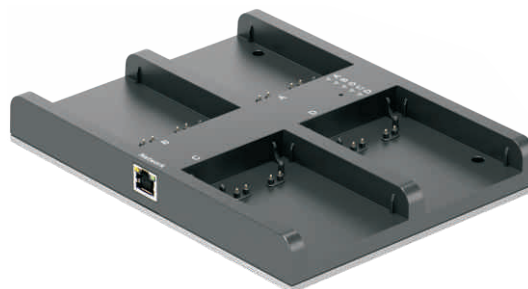
Priority button

HCS-5335AC

HCS-5335AD

HCS-5335BD

HCS−5335CHG/04 Intelligent Charging Station

- Power: AC 100 V- 240 V, 50 Hz / 60 Hz
- Power consumption: Max. 50 W
- Charging time: approx. 4 hours
- Charging capacity: 4 HCS-5335 series units at a time
- Power and charging indicators
- RJ45 interface for viewing the charging status
  via built-in Web Server
- Dimensions h×w×d (mm): 26×200×151
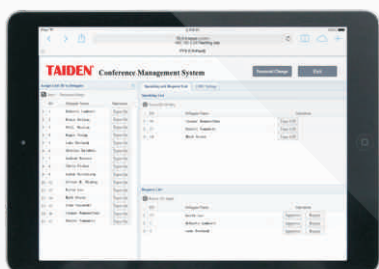- Weight: 0.4 kg
- Color: black

HCS-5335M Digital IR Wireless Conference Combo Unit

- Tabletop, intuitive and ergonomic design
- Digital infrared audio processing and transmitting
  technologies ensure superb sound quality:
  Freq. Response: 20 Hz to 20 kHz
  S/N: ＞85 dBA
  THD: ＜0.06%
- Compliant with IEC 60914
- DQPSK digital modulation/demodulation technology
- Easy to set up, move and remove, no wiring or drilling,
  perfect solution for historic venues
- Excellent immunity to RF interference from mobile phones and RF devices
- 1~8 MHz transmission frequency, undisturbed by HF driven light sources and mobile phones
- IR coverage area radius＞8 m (4 m high ceiling)
- Thanks to tabletop installation and ceiling reflection especially suitable
  for small to medium-sized conference rooms with a light-colored
  ceiling not exceeding 5 meters
- Audio, control and power signals all transmitted over
  a single Cat.5 cable from the highly-integrated main unit with infrared
  receiver and a built-in digital signal processor
- Output mixed microphone signal or signal of each microphone
  through Dante™ network
- Built-in Web server configuration and control of the
  main unit, discussion units and auto tracking cameras as well
- PoE power supply
- Discussion

HCS-5335M

Web Server

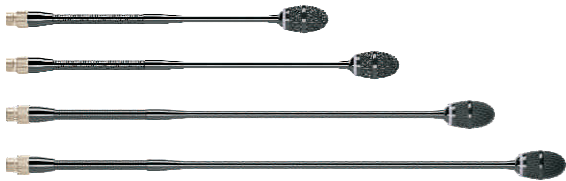HCS-5335ZJ

HPA-160D/02 Digital Audio Power Amplifier

- Class-D power amplifier with theoretical efficiency over 80%
- Automatic adaptation to all mains voltages world-wide
- Low-heat generation, long service life
- Energy saving and cost efficient
- Compact and efficient combination of digital power amplifier
  and switching power supply
  Output power: 2×160 W (8 Ω stereo)
  　　　　　　1×400 W (8 Ω bridge)
  Freq. response: 20 Hz to 20 kHz (8 Ω, ±0.5 dB)
  THD: ＜0.04%
- Power supply: AC 100-240 V
- Operation mode: stereo / bridge
- 2×SPEAKON socket for loudspeakers
- 2×RJ45 jack for digital audio input via Dante™ networking
- 1 Line In and 1 Line Out (Ø 6.4 mm phone jack)
- Embedded Web Server for power amplifier configuration (e.g. limiter,
  EQ and mix) and view of microphone on/off status
- All-round protection from shortcut circuit, direct current and overheating,
  power supply overload or overheating control

HCS-5335KS Storage Case

- Used for storing and transporting the HCS-5335 series
- One case can store:
  up to 20 HCS-5335C/D series conference units
  1 HCS-5335M main unit
  4 HCS-5335CHG intelligent charging stands
  1 HPA-160D/02 digital audio power amplifier
- Dimensions h×w×d (mm): 205×898×586
- Net weight: 13.7 kg (empty)

MS27/33/41/47EGA1 Microphone Stem

- Uni-directional electret condenser microphone
- Broadcast quality microphone
- With bi-color ring light
- Built-in foam windshield
- Frequency: 30-20 kHz
- Sensitivity: -46 dBV/Pa
- Color: silver / gray / black
- Length: 27 / 33 / 41 / 47 cm
- Weight: 84 / 88 / 95 / 100 g

MS16EGAS Microphone Stem

- Uni-directional electret condenser microphone
- Broadcast quality microphone
- With bi-color ring light
- Built-in foam windshield
- Frequency: 30-20 kHz
- Sensitivity: - 46 dBV/Pa
- Color: silver / gray / black
- Length: 16 cm

(Non TAIDEN product)

HCS-5335ZJ Stand

- For mounting one HCS-5335M and one camera
- Height: 0.8-1.2 m
- Weight: 3.7 kg
- Color: black

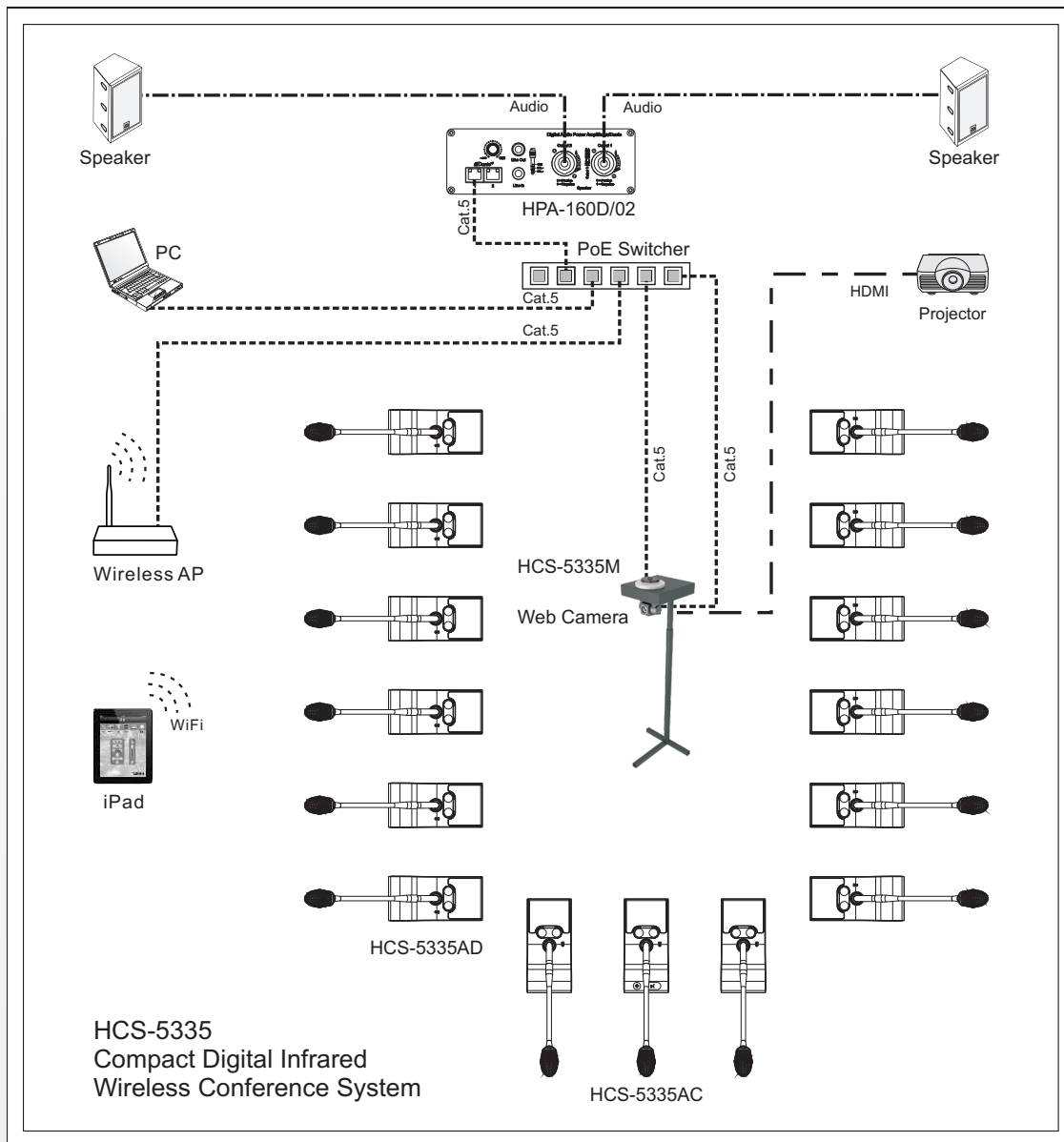## TL-SF1005P Ethernet PoE Switch

- Protocol: CSMA/CD
- PoE power standard: IEEE 802.3af/at
- Switch capability: 1.0 Gbps
- Can be substituted by other brands
- Dimensions: 280×233×68 mm
- Weight: 0.7 kg

Speaker

Audio   Audio

HPA-160D/02

Cat.5

PC

PoE Switcher

Cat.5

HDMI

Speaker

Projector

Cat.5

Wireless AP

Cat.5   Cat.5

HCS-5335M

Web Camera

WiFi

iPad

HCS-5335AD

HCS-5335
Compact Digital Infrared
Wireless Conference System

HCS-5335AC

ISO9001: 2008
Certificated by ANAB
Certificate No.: FM 85884

CE certificated
(including EMC and Safety)

FCC certificated

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

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