TAIDEN®

Excellent solutions for conferences

New Generation Paperless Multimedia Congress System

New Generation Digital Infrared Wireless Conference System

New Generation Digital Infrared Language Distribution System

Professional Audio & Video Recorder for Conference

Fully Digital Congress System

Economical Digital Conference System

Large-Scale Voting System

Conference Sign-in System

Wireless Voting System

Network Central Control System

Matrix Switchers

Conference Management Software

COMPANY PROFILE

TAIDEN INDUSTRIAL CO., LTD, established in 1996, is a high-tech enterprise specialized in R&D, manufacturing and worldwide sales of modern digital conference systems. TAIDEN is one of the world's leading conference system manufacturers, as well as China's largest conference system manufacturer.

TAIDEN has won high reputation on a global scale for its excellent quality products and high performance. TAIDEN trademark and patents have been registered in 130 countries and regions. TAIDEN products have been sold in 120 foreign countries and regions such as the USA, UK, Russia, Italy and many more. Thousands of TAIDEN installations were completed for governments, hotels, conference centers, enterprises and colleges all over the world.

Some of the prestigious projects include: The United Nation Headquarters, Council of Europe (COE) Headquarters, G20 Mexico Summit, APEC Summit, IMF-World Bank Annual Meetings (Washington), and the Beijing Olympic Games. With successful solutions for many important conferences, TAIDEN has shaped up as one of the most competitive brands in global conference system market.

TAIDEN will remain committed to customer requirements, persist with technology innovation and expand its international activities to become the world's leading enterprise in providing state-of-the-art conference systems.

PRODUCTS

TAIDEN owns high-end technologies of conference system and provides excellent solutions for meetings, from small installations to international congresses & conventions, with totally 14 styles and more than 700 products and relevant services.

01. HCS-8300 Series New Generation Paperless Multimedia Congress System (Discussion, Voting, Simultaneous Interpretation, Multimedia Intelligent Terminal)
02. HCS-5300/80 Series New Generation Digital Infrared Wireless Conference System (Discussion, Voting, Simultaneous Interpretation)
03. HCS-5100Plus Series New Generation Digital Infrared Language Distribution System
04. HCS-4100/50 Series Fully Digital Congress System (Discussion, Voting, Simultaneous Interpretation)
05. HCS-3900 Series Economical Digital Conference System (Discussion)
06. Conference Management Application Software
07. Large-Scale Voting System
08. Conference Sign-in System
09. Wireless Voting System
10. Automatic Video Tracking System
11. Professional Audio & Video Recorder for Conference
12. Gooseneck Microphones
13. Network Central Control System
14. Matrix Switchers

TAIDEN SCIENCE AND TECHNOLOGY PARK

MILESTONES

In 1996, Established in Shenzhen.

In 2001, TAIDEN introduced the world's first infrared simultaneous interpretation system with interference immunity to the HF-driven lights.

In 2003, TAIDEN initially introduced "Seamless integration" between conference system and intelligent central control system and launched the world's first intelligent conference system based on this concept.

In 2004, the world's first 64-CHs fully digital conference system was successfully developed.

In 2008, TAIDEN developed successfully the digital infrared audio transmitting and control technologies (dirATC) chipset, and invented the HCS-5300 digital infrared wireless conference system.

In 2010, TAIDEN the invented HCS-8300 Series Paperless Multimedia Congress System, with new features such as the multimedia intelligent Terminal, the invisible microphone, the environment-friendly nameplate. The HCS-8300 serie mede TAIDEN the global leading conference system manufacturer.

In 2014, TAIDEN successfully launched the New Generation Paperless Multimedia Congress System.

QUALITY ASSURANCE

For years, the TAIDEN team has been committed to the guidelines of "Safety and reliability rank first" and "Quality is the backbone of the enterprise". In 2001, TAIDEN obtained ISO9001:2000 certifications. TAIDEN always strictly applies its quality management system, which is established according to ISO9001 criteria, in the whole process of R&D, manufacturing, engineering and services. All products adopt advanced SMT technology and have achieved international certification such as CE (EMC and Safety certificated) and FCC.

Member of International Congress & Convention Association(ICCA)

ISO9001:2000 Certificated by UKAS

FCC certificated

CE certificated (include EMC and Safety certificated)

RoHS Comply with Directive 2002/95/EC of the European Parliament

HCS-8338 & HCS-8348 Series
New Generation Paperless Multimedia Congress System

- 10" TFT LCD, 1280×800 high-resolution
- Capacitive touch panel supporting multi-touch
- Built-in E-ink nameplate (" - NP" as suffix only) (display size: 310 mm×60 mm)
- 5-megapixel camera with flashlight
- Paperless conference functions:
  (documents reader, desktop documents sharing, internet access,
  speech text guidance, memorandum editing, photo shot)
- Video conversation
- Stylish and ergonomic design
- Interactive conference management (speech, voting, 64 Chs×2)
- Multiform video service:
  - High definition digital video display
    (HDMI, SDI, VGA, CVBS, DVI, etc.)
  - Multiple channel VOD (up to 10 channels)
    and broadcasting
- Conference service:
  - Short message reader and editor
  - Call service, call secretary
- Built-in fingerprint identification
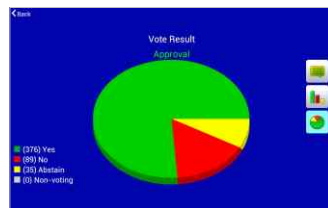- Microphone-array technology
  (for HCS-8348 series)

HCS-8338 Series
New Generation Paperless Multimedia Congress Terminal

New Generation Paperless Multi-media Congress Terminal User Interfaces

a) Primary interface

b) Vote result display

c) Vchat

d) Multiple channel VOD and broadcasting

University Lecture Halls

The United Nations - CR3

World Bank Headquarters

Technical Specifications

Frequency response · · · · · · · · · · 30 Hz to 20 kHz
SNR · >96 dBA
Dynamic range · · · · · · · · · · · · · · · · · >94 dB
Isolation · >85 dB
THD · <0.05%

Max. audio inputs

LINE IN 1 · · · · · · · · · · · · · · · · · · · +10 dBu, BAL.
LINE IN 2 · · · · · · · · · · · · · · · · · +10 dBu, UNBAL.
AES IN · 1 FFS

Max. audio outputs

LINE OUT 1 · · · · · · · · · · · · · · · · · +20 dBu, BAL.
LINE OUT 2 · · · · · · · · · · · · · · +20 dBu, UNBAL.
GROUP OUT (1-6) · · · · · · · · · · · · · +20 dBu, BAL.
AES OUT · 1 FFS

Headphone connection

Frequency response · · · · · · · · · · · 30 Hz to 20 kHz
Earphone load impedance · · · · · · · · · · · · >16 Ohm
Earphone output · · · · · · · · · · · · · · · · · · 10 mW

LCD

Type · True color TFT LCD
Dimension · 10 inches, 16:10
Resolution · 1280 × 800
Display color · 2^{18} (18 bit)
Contrast · 500:1

Microphone

Transducer . . . . Electret-condenser
Polar pattern. . . . . Uni-directional
Operating voltage. . . . . 5 VDC
Sensitivity . . -46 dBA at 680 Ohm (0 dB = 1 V/Pa at 1 kHz)
Frequency response. . . . . 50 Hz to 20 kHz
Input impedance. . . . . 2 kOhm
Directivity 0° /180° . . . . > 20 dB (1 kHz)
Equivalent noise . . . . 20 dBA (SPL)
Maximum sound pressure level. . . . . . . 125 dB (THD<3%)

e) Simultaneous interpretation

f) Documents viewer

g) Internet access

h) Service request

Gansu Convention and Exhibition Center

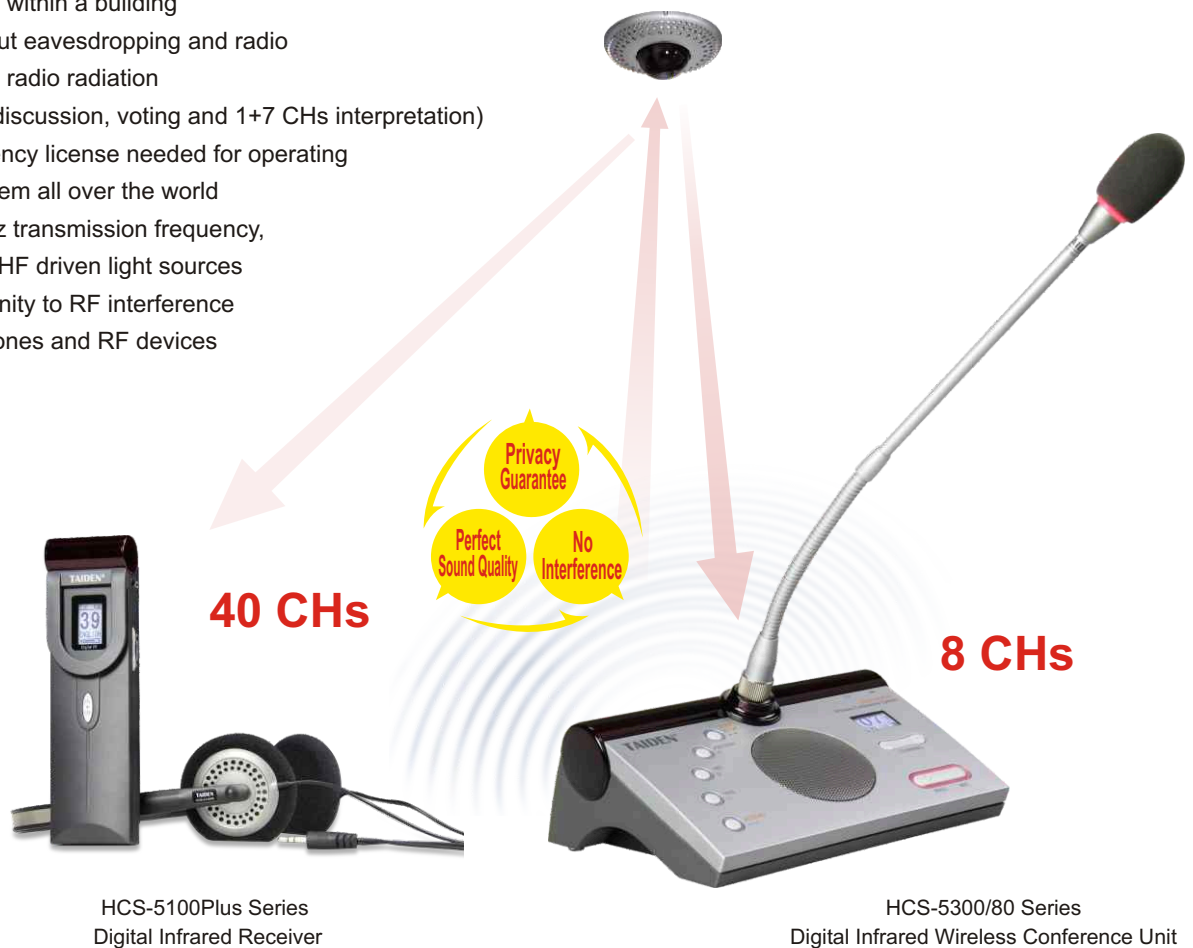
UN General Assembly Hall

HCS-5300/80 New Generation Digital Infrared Wireless Conference System

- The first digital infrared wireless conference system in the world
- Original dirATC -- digital infrared Audio Transmitting and Control technologies
- Wireless system, easy to set up and to remove
- Perfect sound quality as CD from the microphone
- Microphone sensitivity and EQ can be adjusted individually
- Vertical emission angle of conference unit selectable via LCD menu
- Isolated audio recording function for simultaneous interpretation (1+7 Chs)
- Infrared transmission technology guarantees privacy
- Any quantity of infrared wireless conference systems can be installed within a building
- No worries about eavesdropping and radio interference, no radio radiation
- Full functions (discussion, voting and 1+7 CHs interpretation)
- No radio frequency license needed for operating an infrared system all over the world
- Adopts 1-8 MHz transmission frequency, undisturbed by HF driven light sources
- Excellent immunity to RF interference from mobile phones and RF devices

Privacy Guarantee

Perfect Sound Quality

No Interference

40 CHs

8 CHs

HCS-5100Plus Series
Digital Infrared Receiver

HCS-5300/80 Series
Digital Infrared Wireless Conference Unit

REGIONE LOMBARDIA, Italy

VTC Boardrooms

World Bank Headquarters

HCS-5300RA/80
Digital Infrared Receiver
(suspension)

HCS-5300RA/80
Digital Infrared Receiver
(tabletop)

System performance

Conforms to IEC 60914, the international standard for conference systems.
Conforms to IEC 61603-7, the international standard for digital infrared transmission of audio signals for conference and similar applications.

Transmission characteristics

IR transmission wavelength: 870 nm
Modulation frequencies: 1 to 8 MHz, carrier frequency 0 to 3 transmitted by main unit according to IEC 61603-7
Protocol and modulation: DQPSK

System audio performance

Audio frequency response: 20 Hz to 20 kHz (-3 dB)
Total harmonic distortion at 1 kHz < 0.06%
Isolation > 80 dB
Dynamic range > 90 dB
Weighted signal-to-noise ratio > 90 dBA

HCS-5300TW/80
Digital Infrared Transceiver
(wall-mounted)

HCS-5300TD/80
Digital IR Transceiver
(ceiling, gray)

HCS-5300TD/80
Digital IR Transceiver
(ceiling, silver)

HCS-5300TD/80
Digital IR Transceiver
(ceiling, white)

HCS-5300TH/80
Digital Infrared Transceiver
(ceiling, white)

Type NO.	Mounting height (H)	Coverage area radius (R)
HCS-5300TD/80 HCS-5300TDS/80	2.5 ~ 3.0 m	13 m
	3.5 ~ 4.5 m	11 m
	5.0 ~ 7.0 m	9 m
HCS-5300TH/80	6 m	9 m
	9 m	11 m
	12 m	9 m

Type NO.	Mounting height (H)	Coverage area length (L)
HCS-5300TW/80	< 5 m	1 ~ 15 m

Type NO.	Mounting height (H)	Coverage area radius (R)
HCS-5300RA/80	6 m	9 m
	9 m	11 m
	12 m	9 m

Chongqing Mayor's Conference Room

REGIONE LOMBARDIA, Italy

The Oval Room of the Government House of the Kyrgyz Republic

HCS-5100Plus Series
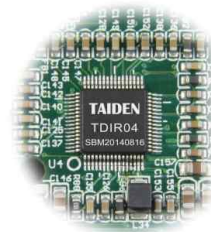## New Generation Digital Infrared Language Distribution System

HCS-851A/02 Interpreter Booth

- Compliant to IEC 61603-7 and IEC 60914
- Compatible with any other IR system compliant to IEC 61603-7
- Capable of distributing a maximum of 8, 16 , 32 or 40 audio channels
- Immune to interference from HF-driven lighting
- Flexible configuration of channels and channel quality modes
- LCD receiver display shows channel number and complete language name
- Automatic synchronization: number of available channels is the same as number of channels in use by the system
- 270° super wide reception angle
- Works without errors, even in bright sunlight
- Bypass mode, used for signal distribution to multiple rooms
- Delay compensation for cable transmission
- Audio frequency response: 20 Hz to 20 kHz (perfect mode), weighted S/N > 85 dBA
- Freedom of movement within the range of IR power radiator
- Conference privacy is guaranteed as infrared signals do not pass through opaque walls or ceilings
- The infrared communication frees users from worries about eavesdropping and radio interference inherent to radio wave-based wireless communications

HCS-5100Plus Series
Digital Infrared Receiver

TAIDEN TDIR04 Digital Infrared
Processing Chip

2014APEC Trade Minister Meeting

2014 APEC Summit

G20 Mexico Summit

System performance

Conforms to IEC 60914, the international standard for conference systems

Conforms to IEC 61603-7, the international standard for digital infrared transmission of audio signals for conference and similar applications
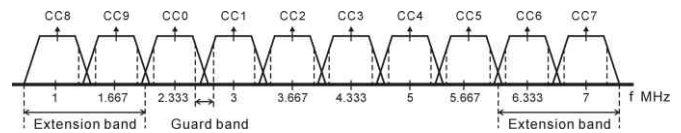
Transmission characteristics

IR transmission wavelength: 870 nm

Protocol and modulation: DQPSK, according to IEC 61603-7

Modulation frequency: 1 to 8 MHz, carriers 0 to 5 (2 - 6 MHz) according to IEC 61603-7

Band allocation:

System environmental conditions

Temperature range:
- Transport: -40℃ to +70℃
- Operating: 0℃ to +45℃

Max. relative humidity: < 95% (not codensing)

Safety: Compliant to EN 60065

EMC emission: Compliant to EN 55022

EMC immunity: Compliant to EN 55024

EMC approvals: CE, FCC

Power harmonics: Compliant to EN 61000-3-2

Voltage fluctuations and flicker: Compliant to EN 61000-3-3

System audio performance

(Measured from the audio input of an HCS-5100M transmitter to the headphone output of an HCS-5100R receiver.)

Audio frequency response:
   20 Hz to 10 kHz (-3 dB) at Standard Quality
   20 Hz to 20 kHz (-3 dB) at Perfect Quality

Total harmonic distortion at 1 kHz < 0.1%
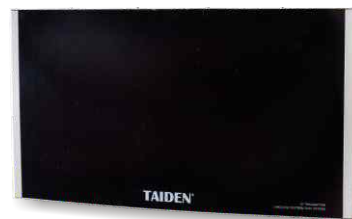
Isolation > 80 dB

Dynamic range > 90 dB

Weighted signal-to-noise ratio > 85 dBA

HCS-5100M/F Series
Digital Infrared Transmitter

HCS-5100T/B Series
Digital Infrared Radiator
（15W/25W/35W）

2014 World Internei Conference

The G20 Finance Ministers and Central Bank Governors meeting (Washington DC)

ITU Plenipotentiary Conference 2014

HCS-4100/50 Fully Digital Congress System

- Original MCA-STREAM digital audio processing and transmitting technology
- Up to 64 CHs audio signals transmitted on a dedicated 6-pin cable
- 48 kHz audio sampling, 64 audio channels, each with a 30 Hz to 20 kHz frequency response for perfect sound quality
- Gain and EQ (5 band) of each microphone adjustable separately
- Increased reliability with "Closed Loop - Daisy Chain" connection topology, supports "PnP"
- Low power consumption design
- Equipped with optical fiber interface to combine two widely separated conference rooms to form one unique coherent system
- Dual connection backup via optical fiber and Cat.5 cable between congress main unit and extension main unit
- System power controllable by central control system
- Supports combining and separating conference rooms
- Connectable to multi channel audio input or output devices for versatile expansion of the system
- Connection facility for additional condenser or dynamic microphones, expanding user's application spectrum
- Integrated USB interfaces in the congress main unit for system upgrading and saving system parameters. Convenient for system maintenance
- Built-in multi-channel intercom facility
- TCP/IP communication protocol in PC control
- Remote control, remote diagnosis and remote update

HCS-4886DW/52
64 CHs / Vote / Contactless IC card
Intercom / Message

HCS-48U6
Fully Digital Congress Unit

HCS-4385U/50
Interpreter Unit
(64 CHs)

HCS-4842NA/50
Channel Selector
(64 CHs)

HCS-4851/50
Fully Digital Congress Unit
(Retractable microphone array)

HCS-4860CS_B/50
Fully Digital Congress Unit

HCS-4860DV_Gd/50
Fully Digital Congress Unit

HCS-4325NW/50 + HCS-4327HD/50
Discussion / 64 CHs×2
Contactless IC card

HCS-4326NDWE/50 + HCS-4327HD/50
Discussion / Vote / 64 CHs
Contactless IC card

HCS-48U7
64 CHs / Vote / Contactless IC card
Intercom / Message

HCS-48U10
Discussion / 64 CHs / Vote
Contactless IC card / Intercom

Technical Specifications

Frequency response · · · · · · · · · · · 30 Hz to 20 kHz
SNR · >96 dBA
Dynamic range · >94 dB
Isolation · >85 dB
THD · <0.05%

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.

Headphone connection

Frequency response · · · · · · · · · · · · · · · · 30 Hz to 20 kHz
Earphone load impedance · · · · · · · · · · · · · · · · · · · >16 Ohm
Earphone output ·10 mW

Microphone

Transducer · Electret-condenser
Polar pattern ·Uni-directional
Operating voltage · 5 VDC
Sensitivity · · · -46 dBA at 680 Ohm (0 dB = 1 V/Pa at 1 kHz)
Frequency response · · · · · · · · · · · · · · · · · · 50 Hz to 20 kHz
Input impedance · 2 kOhm
Directivity 0°/180° · · · · · · · · · · · · · · · · · · · > 20 dB (1 kHz)
Equivalent noise · 20 dBA (SPL)
Maximum sound pressure level · · · · · · · · 125 dB (THD<3%)

■ Champagne

■ Charcoal Gray

HCS-4338NDVS/50
Discussion / 64 CHs / Vote
Intercom

HCS-4338NDDS/50
Discussion / 64 CHs×2
Double Predefined Position

HCS-4338ND/50
Discussion

E-ink Nameplate

- E-ink panel electronic nameplate (display size: 310 mm×60 mm)
- Paper like reading with low eye strain
- Softer non-glaring display
- Flicker-free
- Contents may be permanently displayed after powered down
- Dramatic energy savings
- Wide viewing angle near 180°
- Double side panel
- High resolution: 1200×232
- Ultrathin 16 mm design
- HCS-1080 wired nameplate, can work with congress system, or work with HCS-1080T nameplate adaptor in stand-alone mode
- HCS-1081 wireless nameplate

HCS-1080
Wired E-ink nameplate
(Double side panel)

HCS-852S
Storage Case and Foam Inserts

- Used for storing and transporting TAIDEN series products
- Stores up to 64 pcs HCS-4338 conference units, 1 pc main unit and 20-meter extension cable with foam inserts
- Dimensions h x w x d (mm): 890×760×590
- Weight: 31.0 kg (Excl. foam inserts with conference units, main unit and extension cable)
- Color: blue

HCS-3900 Series
Economical Digital Conference System

- Economical and practical, designed for small and medium-sized conference room
- Fully digital audio technology
- Main unit with USB interface and SD card slot for conference audio recording and playback
- USB interface for system upgrading
- With web page control function, main unit can be controlled through web browser
- Gain and low-cut of each microphone can be adjusted separately
- Built-in monitor speaker on conference main unit, particularly suitable for applicationsin small and medium-sized meeting rooms without amplification system
- Low power consumption
- "Daisy Chain" topology

HCS-3900MA
Economical Conference System Main Unit
(discussion, recording, 256×64 OLED, 6P sockets)

HCS-3938DF_S   HCS-3938C_D   HCS-3938CF_G   HCS-3938CF_S

Technical Specifications:

Technical Specifications
Frequency response · · · · · · · · · · · 40 Hz to 16 kHz
SNR · >90 dBA
Dynamic range · >94 dB
THD · <0.05%

Audio inputs
LINE IN 1 · +18 dBu, BAL.
LINE IN 2 · · · · · · · · · · · · · · · · · · +18 dBu, UNBAL.

Audio outputs
LINE OUT 1 · +18 dBu, BAL.
LINE OUT 2 · · · · · · · · · · · · · · · · · · · +18 dBu, UNBAL.

Headphone connection
Frequency response · · · · · · · · · · · · · · · · · 40 Hz to 16 kHz

Microphone
Frequency response · · · · · · · · · · · · · · · · · 80 Hz to 18 kHz
Equivalent noise · 20 dBA (SPL)

HCS-6100 Series Network Central Control System

- Up to 512 normal/high definition camera predefined positions can be stored
- Open programmable control platform, powerful control logic
- Built-in TAIDEN digital conference system control protocol
- Various programmable interfaces for remote controlled terminals (e.g. digital I/O port, IR port, RS-232 port)
- Built-in IR learning
- High brightness widescreen color touch panel (7", 10", 12" and 15"), high contrast ratio and wide viewing angles
- Fully supporting network control and network cascade
- Supporting WiFi/Wired Ethernet control, multiple terminals can simultaneously control the same main unit
- Built-in Web Server, system controlling can be realized with web browser on iPad, iPhone and Android platform handheld terminal
- Supports multi-room management function (cooperating with HCS-6100W-RM)
- Supports room scheduling function (cooperating with HCS-6100W-RS)

HCS-6107F
7" Flush-mounting Widescreen Touch Panel (wired Ethernet)

HCS-6107TPW
7" Widescreen Touch Panel (WiFi, wired Ethernet)

HCS-6110TP
10" Widescreen Touch Panel (wired Ethernet)

HCS-6100MCP4/WS
Network Central Control System Main Unit

HCS-6112TP
12" Widescreen Touch Panel (wired Ethernet)

HCS-6115TP
15" Widescreen Touch Panel (wired Ethernet)

Supports WiFi/
Wired Ethernet

TMX Series Matrix Switchers

- Most recent switch chip technology
- Fully loaded video bandwidth of Ultra Wideband RGBHV Matrix Switcher up to 500 MHz
- Input synchronization signal detection function
- Gain compensation and synchronization signal AGC to guarantee faster switching with no blinking and glitch
- Supporting TCP/IP and RS-232 protocols
- Power-off protection for scene status
- Scene save and recall function
- Up to 128 × 128 Ultra Wideband RGBHV Matrix Switcher

DVI and HDMI series High Definition Products

- DVI-I connectors (DVI products)
- HDMI type A connectors, HDMI 1.3 compliant, compatible with HDCP (HDMI products)
- Max. data rate: 2.25 Gbps
- Supporting all resolutions from 480p to 1080p and WUXGA (1920×1200)
- Supporting video, DDC and balanced/unbalanced stereo audio switching
- Input equalization adjustment
- Output pre-emphasize adjustment

TMX-3232RGB-A

TMX-1616VGA-A

TMX-3232V

TMX-0808DVI-A

TMX-0801HDMI

TMX-0116VGA

TMX-0401MA

Professional Audio &
Video Recorder for Conference

- The first professional audio & video recorder for conference in the world, especially designed for high-level meetings
- Broadcast standard audio quality and HD video quality (1080p).
- Special indexing and sorting feature designed for conference for video & audio files recorded
  - ◆ search by time, keywords of meeting name or room name
  - ◆ search by time, keywords of speaker or proposal which of the speak information, simultaneous interpretation information or proposal information
- Special multi-channel simultaneous interpretation recording function
  - ◆ Specially designed for audio & video recording and playing back for conference; one video channel may have a maxmum. of 8 corresponding audio channels
- May cooperate with TAIDEN conference system to synchronously record or play back conference, or can be used in stand-alone mode
- System access via Web, supporting recorded file playback and download, or live conference recording
- Supporting multiple levels of user access rights
- 1 channel of HD VGA input (up to 1400 × 1050@60 Hz)
- Four SATA hard disk interfaces

HCS-8131M/HCS-8132M
Professional Audio & Video Recorder for Conference

- 4CHs/8CHs audio input
- 4CHs/8CHs composite video input
  (D1 resolution）

HCS-8133M/HCS-8134M
Professional Audio & Video Recorder for Conference

- 4CHs/8CHs audio input
- 1CH/2CHs SDI video input
  (support up to 1080p30 resolution)

Decoder

- For multi-channel digital media signal decoding and output
- TAIDEN series of video equipment can access encoder or VCR through IP network to realize live or on-demand broadcasting. After decoding, videos can be streamed to display devices via HDMI or VGA output
- Cooperating with HCS-8300 series paperless multimedia congress system to display the image of the multimedia congress terminal camera and to share desktop; also making it convenient for connecting to remote meeting
- Adopting high-performance DSP chip and dedicated hardware platform. Decoder supports 1 channel HDMI video and 1 channel VGA signal synchronization decoding and display, supports remote control. Compared to PC mode, it is more flexible and immune to network virus attack
- Supports 1 stereo audio decoder output

HCS-8317 Decoder

AV/VGA/SDI/HDMI Series Encoder

● For encoding and network transmission of audio / standard definition video signal (D1/CIF), SDI signal (720p/1080i/1080p), VGA signal, HDMI/DVI signal (up to1080p)

● Adopting DSP processing chip and embedded operating system, being reliable due to immunity to network virus attacks

● With audio/video input and output interface and Ethernet interface, input audio/video signal can be transmitted via IP network after encoding

● Widely used in multimedia broadcasting system for various occasions of audio/video signal acquisition, audio/video signal remote network transmission, dual stream transmission of video and conferencing, MMI monitoring

● supports video format compatible with multiple formats from NTSC/PAL to full HD with TAIDEN HD Video Conferencing Camera (superb picture quality 5 megapixel HD COMS Sensor, 20 × Optical + 12 × digital Lens)

■ Black

□ Silver

HCS-3316HDB   HD Videoconference Camera

(1080p/1080i/720p)

HCS-8316AV-H   AV Encoder

● For encoding and network transmitting audio / standard definition video signals (D1/CIF)

● With standard definition video input and output interface and Ethernet interface, input standard definition video signal can be transmitted on IP network after encoding

HCS-8316SDI   SDI Encoder

● For encoding and network transmitting SDI signal (720p/1080i/1080p)

● With SDI input and output interface and Ethernet interface, input SDI signal can be transmitted on IP network after encoding

HCS-8316VGA-H   VGA Encoder

● For encoding and network transmitting VGA signal

● With VGA input and output interface and Ethernet interface, input VGA signal can be transmitted on IP network after encoding

● VGA signal acquisition and encoding capability support 1400 × 1050 and backward compatibility, with adjustable frame rate from 1 to 30

HCS-8316HDMI   HDMI Encoder

● For encoding and network transmitting DVI/HDMI signal (up to 1080p)

● With HDMI input interface, DVI input interface and Ethernet interface, input DVI/HDMI signal can be transmitted on IP network after encoding

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Wireless Voting System

- Portable and tabletop optional
- Wireless digital communication, adopting multilevel error correction and encrypted coding for high confidentiality and low error rate
- Voting unit will upload data on its time slot, this communication type is faster than roll polling. It takes about 1 second for 100 voting units uploading data
- When powered on, voting unit will search cell broadcast and join in the eligible cell automatically
- RF transceiving range: 100 m (frequency optional)
- Max. system capacity: 1200 wireless voting units
- Wireless voting unit with built-in IC card sign-in and voting function
- 10 voting keys (0-9) or 3 voting keys (YES/NO/ABSTAIN)
- Multiform voting in combination with the corresponding software modules:
  - For/Against
  - Parliamentary: YES/NO/ABSTAIN
  - Multi-choice: 1-N
  - Audience response: 0/25/50/75/100
  - Score: 0-100
  - Appraisal:
    - Satisfied (four/three/two keys voting)
    - Qualified (four/three/two keys voting)
    - Competent (four/three/two keys voting)
- Large LCD for displaying voting and sign-in information, easy to use
- Screen backlight can be turned on/off by software
- Key-press sign-in
- Two alkaline batteries (AA battery) for continuous using not less than 120 hours

HCS-4391N
Wireless Transceiver

HCS-4390NE/03
Wireless Voting Unit
(portable, 3 voting keys)

HCS-4390NKE/03
Wireless Voting Unit
(portable, 3 voting keys, IC-card)

HCS-4390N/10
Wireless Voting Unit
(portable, 10 voting keys)

HCS-4390NK/10
Wireless Voting Unit
(portable, 10 voting keys, IC-card)

Large-Scale Voting System

- Global leadership in high-speed large-scale voting systems
- New digital design, compliant to many international standards
- Bandwidth 100 Mbps, voting time for 1000 voting units less than 1 ms
- Voting system is resistive to 15 kV static, excels IEC CISPR 24
- Max system capacity: 4096 voting units
- 3 voting keys
- In combination with corresponding software modules, multiform voting can be implemented
- Controls voting start and stop
- Key-press sign-in
- Plug and play for all units
- Automatic detection
- Specially designed application software for large-scale meetings, multiple operating error protection and debug mechanism
- Waterproof facility

HCS-48U6DVOTTM
Voting Unit

HCS-4368DME/FM/50
Multi-Proposal Voting Unit

HCS-4368TE/FM/50
Voting Unit

Conference Sign-in System

- Contactless IC-card sign-in machine
- Induction distance is better than 1.2 m and has no directivity
- Sign-in time for one delegate does not exceed 0.1 s
- Adopts encryption technology, IC-card can be protected by password
- Supports intensive crowd sign-in
- Display of real-time sign-in data and dynamic sign-in result
- Display of delegate's information such as picture, name, title and seat information if unit is equipped with LCD
- Supports manual sign-in and absence times statistics
- Sign-in machine connected via Ethernet

HCS-4368TE/50
Voting Unit

HCS-4393G2
Contactless Conference Sign-in Machine (1.2 m)

HCS-4393G/D
Sign-in Information Display Screen

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ISO9001:2000
Certificated by UKAS
Certificate No.: FM 85884

CE certificated (include EMC
and Safety certificated)

FCC certificated

RoHS Comply with Directive
2002/95/EC of the
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