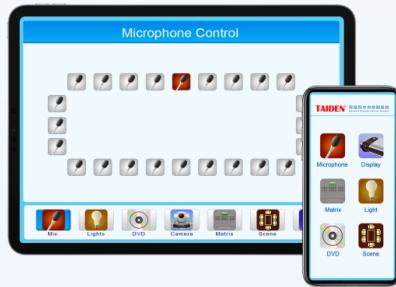


Network Central Control System

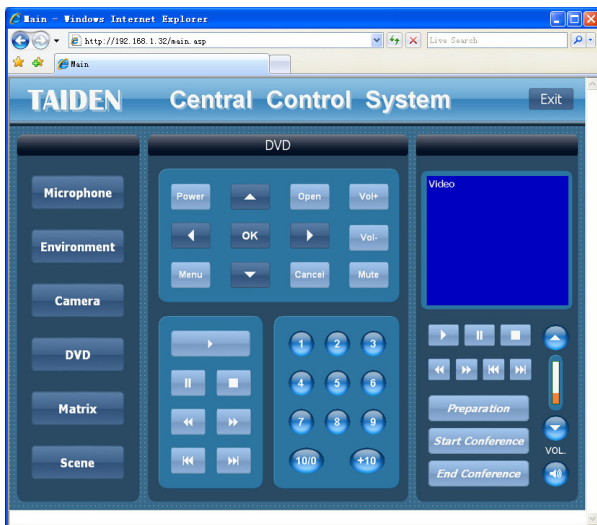
CONTROL INFINITY



HCS-6100 Series Network Central Control System

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



Web Server Interface

Features

- 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
- Supporting multi-room management function (cooperating with HCS-6100W-RM)
- Supporting room scheduling function (cooperating with HCS-6100W-RS)
- Conference booking function
- Open programmable control platform, user-friendly operation interface
- Exclusive dynamic configurable RS232C/485 ports, supporting all kinds of control protocols, seamlessly integrated with Digital Conference System, constitute perfect intelligent conference solutions
- Built-in TAIDEN digital conference control protocol, to implement microphone control, voting control and voting results display easily
- Can store normal/high definition camera predefined positions

- Built-in IR learning, no learning apparatus needed, easy to use
- Audio mixer with volume control (2 CHs stereo inputs with independent volume control, 1 CH stereo output)

Functions

- Built-in Web Server, system controlling can be realized with web browser on iPad, iPhone and Android platform handheld terminal
 - ◆ The Web Server is based on B/S architecture, with the central control main unit working as Web Server; the interface is designed by TP Vision Designer software and uploaded to the central control main unit. The user can access the main unit IP address from the IE web browser to monitor and control room or meeting room; the command is designed by the central control logic programming software and uploaded to the central control main unit
- Built-in TAIDEN digital conference control protocol, to implement microphone control, voting control and voting results display easily
- Built-in high-capacity E²PROM, up to 512 normal/high definition camera predefined positions can be stored
- Built-in IR learning, no learning apparatus needed, easy to use
- Audio mixer with volume control (2 CHs stereo inputs with independent volume control, 1 CH stereo output)
- 8 IR output ports used for remote control of the VCR, DVD, CD, MD and projectors
- 8 digital I/O control ports and 8 low relay control ports for controlling currently connected devices such as projector lift (up/down), curtains (open/close), projector (pitching), lightings (on/off), and so on
- 8 RS232-C ports can control video matrix or plasma display
- Front panel LCD, LED display function and real time display
- Bilingual (Chinese/English) software for system configuration
- User-defined scene save and recall facilities
- RS232-C port connected to PC for setting up, supervisory controlling and uploading programs
- 2 RJ45 sockets as Ethernet interface, connection to computer software or wired touch panel, executing commands via remote control
- USB Host interface can be connected to USB disk for system upgrading and extending memory
- USB Device interface connecting to PC, for downloading and backup project file
- Max. output current by TAINET: 1800 mA, 24 V
- Compatible with HCS-6000 series wall switch, power controller, lighting controller, fluorescent lights dimming controller
- Compact structure, can be mounted in 19-inch cabinet

Technical Specifications

Audio

Audio gain..... 0 dB
 Frequency range..... 20 Hz to 20 kHz +0/-0.5 dB (1 kHz reference)
 SNR..... ≥92 dBA
 Isolation..... ≥80 dB
 THD..... ≤0.01% (1 kHz)
 Input impedance..... ≥10 kΩ
 Output impedance..... ≤10 Ω
 Max. input/output level..... 7 Vrms

Interfaces

TAINET..... Second generation TAINET control bus,
 4 pin 3.81 mm Phoenix Connectors
 TO COMPUTER..... RS232-C, DB9F
 IR OUTPUT..... 8 IR transmission ports
 I/O PORT..... 8 programmable digital I/O ports
 RELAY..... 8 low relays (0.3 A/125 V-AC, 1 A/30 V-DC)
 COM PORT (RS232-C)..... 8 DB9 serial ports, max.
 baudrate 115,200 bps
 ETHERNET..... 2 RJ45 (RS485) network sockets
 Power supply..... AC 100 V - 240 V, 50 Hz / 60 Hz

Mechanical

Temperature..... 0 °C to 45 °C
 Humidity..... 10% - 90% RH
 Dimensions (h x w x d)..... 99 x 430 x 325 mm
 Weight..... 7.5 kg
 Color..... White (PANTONE 420 C)

Ordering Information

HCS-6100MCP4/WS..... Network Central Control System Main Unit
 (can store camera predefined positions,
 Built-in IR learning, 8 IR Ports, 8 RS-232C
 COMs, 8 Low-Voltage Relays, 8 digital I/O
 ports, Built-in audio mixer (2 CHs stereo
 inputs with independent volume control, 1
 CH stereo output), Built-in web sever,
 supports iPad, iPhone and Android
 platform handheld terminal)

HCS-6100SW/C Wall-mounted Keypads



HCS-6100SW/02C



HCS-6100SW/04C

Features

- Control method: second generation TAINET Control BUS
- ID select: via ID setup rotary switches (HI/LO)
- Button number: 2/4/8/12 respectively
- Command programming: user-defined command code by programming software
- Power consumption: max. 30 mA, 24 V DC, supplied by TAINET
- Dimensions (h x w x d): 119 × 86 × 11 mm
- Color: White (PANTONE Cool Gray 1 C)

Ordering Information

HCS-6100SW/02C.....Wall-mounted Keypad (2 buttons, second generation TAINET control bus, white)

HCS-6100SW/04C.....Wall-mounted Keypad (4 buttons, second generation TAINET control bus, white)

HCS-6100PMC 8 CHs Power Controller



Features

- 8 independent power switch controls
- Load capacity: 240 V, 20 A for each channel
- ID select: via ID setup rotary switches (HI/LO)
- Power consumption: max. 300 mA, 24 V DC supplied by TAINET
- Control method: second generation TAINET Control BUS (baud rate: 9600bps)
- Single or multiple line switch
- Compatible with HCS-6100MCP4 Series Network Central Control System Main Unit
- Dimensions (h x w x d): 320 x 221 x 66 mm
- Color: Gray (PANTONE 425 C)
- Weight: 2.7 kg

Ordering Information

HCS-6100PMC.....8 CHs Power-Supply Controller (20 A/CH, second generation TAINET control bus)

HCS-6100PMC1 8 CHs Power Controller



Features

- 8 independent power switch controls
- Load capacity: AC: 250 V, 15 A for each channel
DC: 28 V, 15 A for each channel
- ID select: via ID setup rotary switches (HI/LO)
- Power consumption: max. 300 mA, 24 V DC supplied by TAINET
- Control method: second generation TAINET Control BUS (baud rate: 9600bps)
- Single or multiple line switch
- Compatible with HCS-6100MCP4 Series Network Central Control System Main Unit
- Front panel button control , easy to switch manually
- Dimensions (h x w x d): 483 x 208 x 43 mm
- Color: Gray (PANTONE 425 C)
- Weight: 2.5 kg

Ordering Information

HCS-6100PMC1.....8 CHs Power-Supply Controller (15 A/CH, second generation TAINET control bus, 1U)

HCS-6100LMC 4 CHs Lights Controller



Features

- 4 controllable lighting interfaces
- Power supply:
AC 100 V-120 V 60 Hz or AC 220 V-240 V 50 Hz
- Load capacity: power (single line) ≤1500 W
power (total) ≤5000 W
- ID select: via ID setup rotary switches (HI/LO)
- Control method: second generation TAINET Control BUS (baud rate: 9600bps)
- Single or multiple line controllable adjustment
- Compatible with HCS-6100MCP4 Series Network Central Control System Main Unit
- Dimensions (h x w x d): 320 x 221 x 66 mm
- Color: Gray (PANTONE 425 C)
- Weight: 2.5 kg

Ordering Information

HCS-6100LMC.....4 CHs High-Power Lights Controller (single line 1500 W, 4 lines 5000 W, second generation TAINET control bus)

HCS-6100LMFC 4CHs Fluorescent Dimmer



Features

- 4 channels of 4-wire 0 V - 10 V fluorescent dimming
- Switch load types including: incandescent, magnetic low-voltage, electronic low-voltage, neon/cold cathode, fluorescent, motors and etc.
- Also allows switching of lighting and exhaust fans
- Supports 100 V - 240 V, 50 Hz / 60 Hz
- Maximum per channel: 30 A
- ID select: via ID setup rotary switches (HI/LO)
- Control method: second generation TAINET Control BUS (baud rate: 9600bps)
- Single or multiple line controllable adjustment
- Override input
- Compatible with HCS-6100MCP4 Series Network Central Control System Main Unit
- Dimensions (h x w x d): 320 x 221 x 66 mm
- Color: Gray (PANTONE 425 C)
- Weight: 2.5 kg

Ordering Information

HCS-6100LMFC.....4 CHs Fluorescent Dimmer (0 V - 10 V, second generation TAINET control bus)

HCS-0108COM 8-series Distributor



Features

- 1 channel of RS232 input for communication with main unit
- 1 channel of daisy chained output
- 8 channels of programmable RS232/RS485 (COM1-COM8) outputs (available baud rates: 50-115200 bit/s)
- The number of distributors can be extended up to 4 via daisy chain, extending the corresponding number of COM up to 32
- Color: Gray (PANTONE 425 C)
- 1U high, full rack width

Ordering Information

HCS-0108COM.....8-series Distributor (1 RS232 input, 8 programmable RS232/RS485 outputs)

CBL2PL-01C
IR Transmission Stick



Features

- Matches HCS-6100MCP4 Series Network Central Control System Main Unit or TES-8100 Series Smart Classroom System Main Unit to to achieve IR remote controlling for projector, DVD, PA, air condition, etc.
- With 1.2-meter-long cable
- Connector: 2 pin 3.81 mm Phoenix Connectors

Ordering Information

CBL2PL-01C.....IR Transmission Stick (single emitter, with a 1.2 m long cable)

CBL3PL-01C
IR Transmission Stick



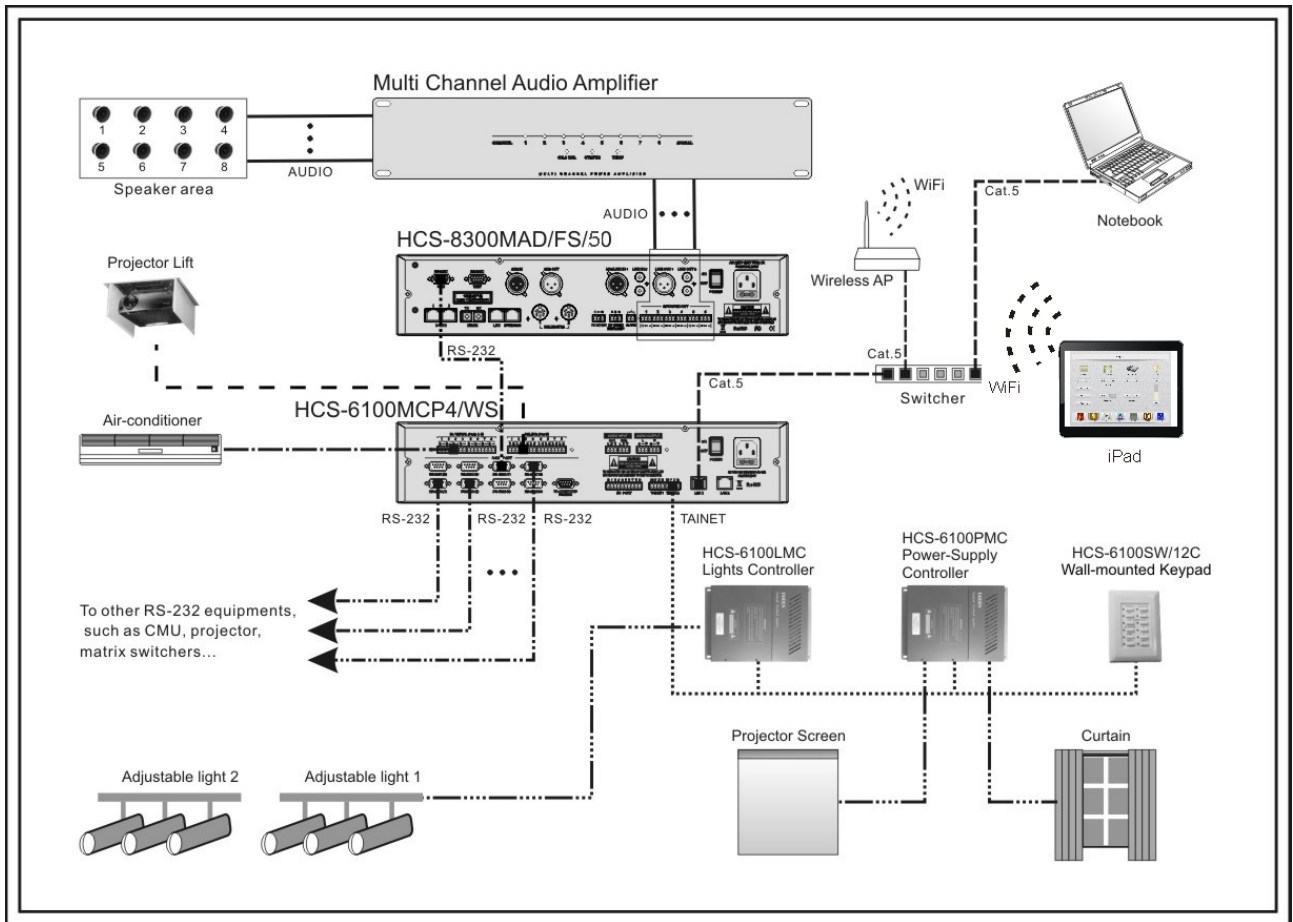
Features

- Matches HCS-6100MCP4 Series Network Central Control System Main Unit or TES-8100 Series Smart Classroom System Main Unit to achieve IR remote controlling for projector, DVD, PA, air condition, etc.
- With 1.2-meter-long cable
- Connector: 2 pin 3.81 mm Phoenix Connectors

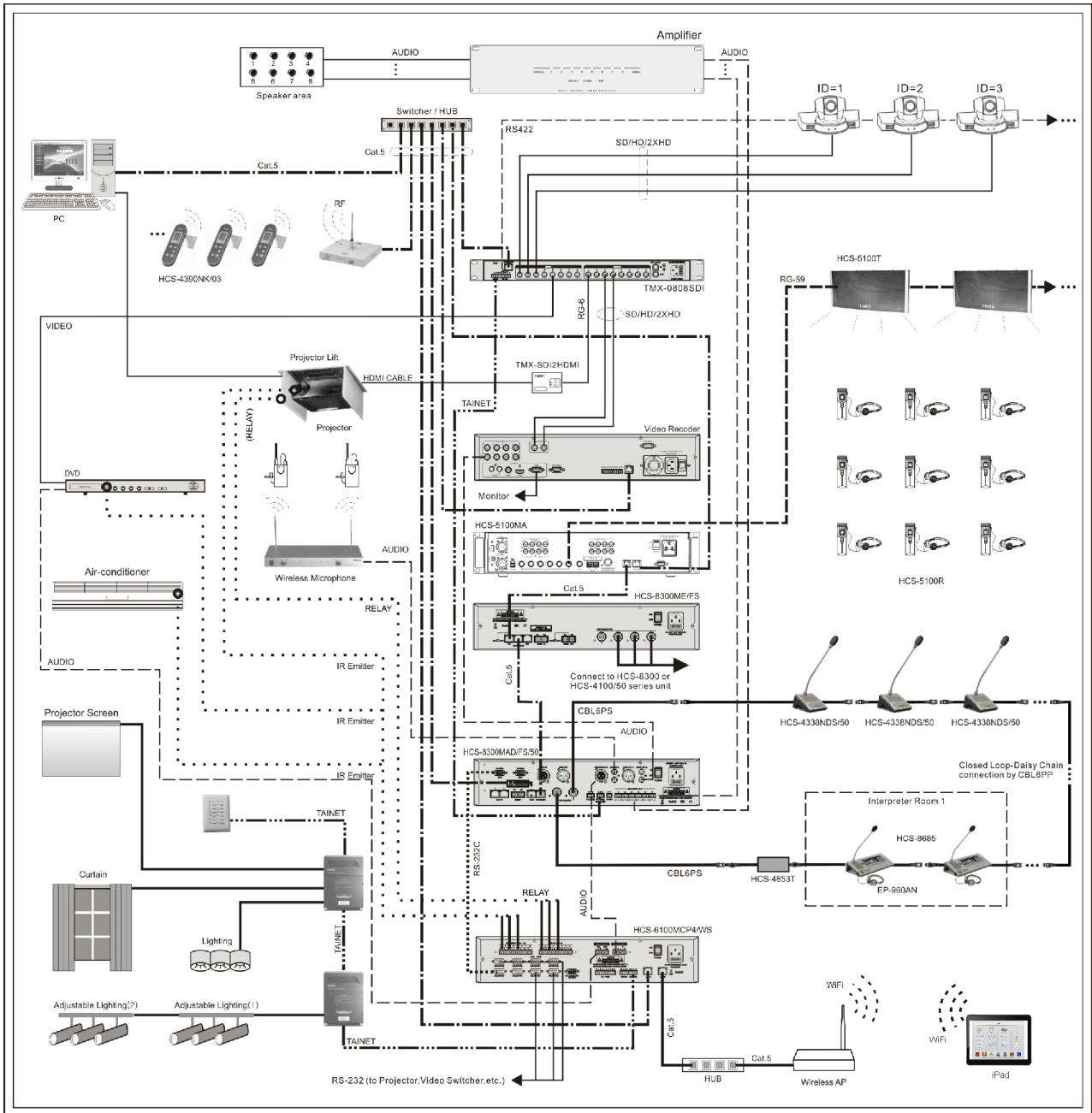
Ordering Information

CBL3PL-01C.....IR Transmission Stick (three emitters with a 1.2 m long cable)

System Connection



Intelligent Conference System — Digital Conference System & Central Control System



The system configuration above mentioned is a perfect intelligent conference solution, as it integrates seamlessly **TAIDEN** Conference System and Central Control System. Digital Conference System and Central Control System are key parts of this system.

Digital Conference System is composed of the following parts:

- | | | |
|--|---|------------------------------|
| 1. Voting System | 2. Conference Discussion System | 3. Video Tracking System |
| 4. IC-card Sign-in System | 5. Simultaneous Interpretation System | 6. Video Conferencing System |
| 7. Digital Infrared Language Distribution System | 8. Professional Audio & Video Recorder for Conference | |

Central Control System is composed of the following parts:

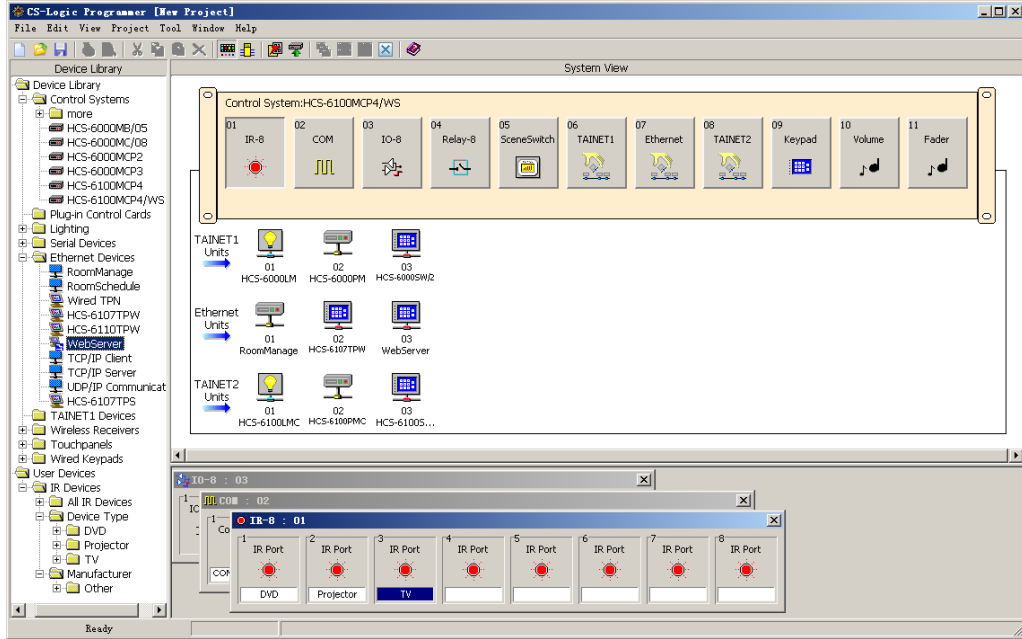
- | | |
|---|--|
| 1. Digital Conference Manage and Control Center | 2. Wireless Touch Panel Control System |
| 3. Power-Supply Controller | 4. High-Power Lights Controller |

Multiform functions can be realized with the system configuration above mentioned, including: conference discussion, voting, video tracking, simultaneous interpretation, videoconferencing and IC-card sign-in. Central Control System executes central control functions to currently connected devices, such as power supplies (on/off), lightings (on/off), projector lift (up/down), curtains (open/close), projector (pitching), volume (up/down), etc. Diverse multimedia devices can be controlled via infrared, e.g. DVD, MD, media matrix, projector, etc. Connection to LAN or internet, executing commands via remote control.

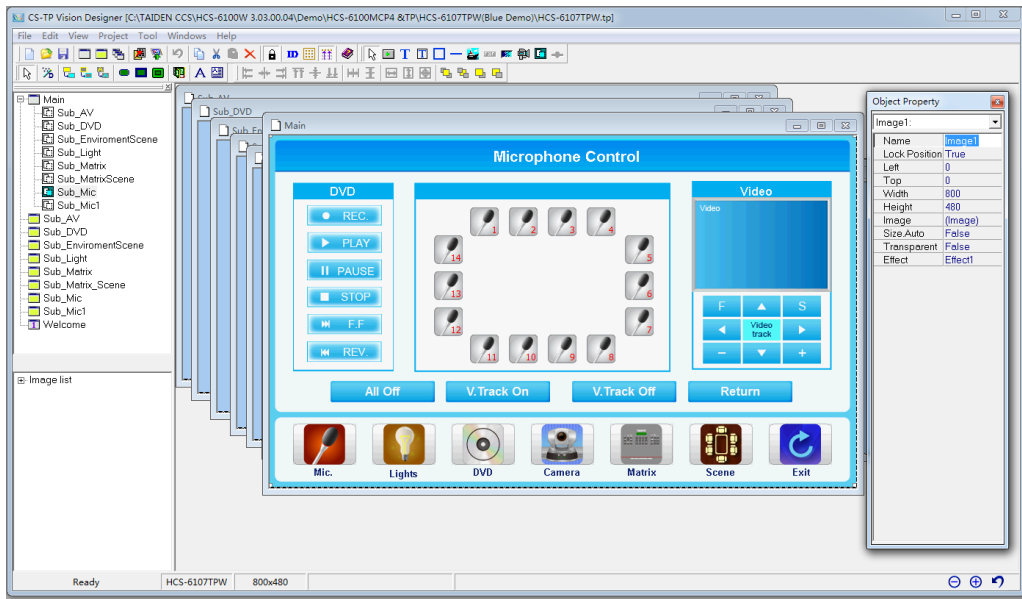
TAIDEN Digital Conference System seamlessly integrated with Central Control System, bring multiform unique functions:

1. Microphones of conference units can be controlled remotely by wireless touch panel
2. Cameras can be remote controlled

HCS-6100W Professional Programming Software



Logic Programmer Interface



TP Vision Designer Interface

Features

HCS-6100 System Professional Programming Software includes Logic Programmer Software and TP Vision Designer Software.

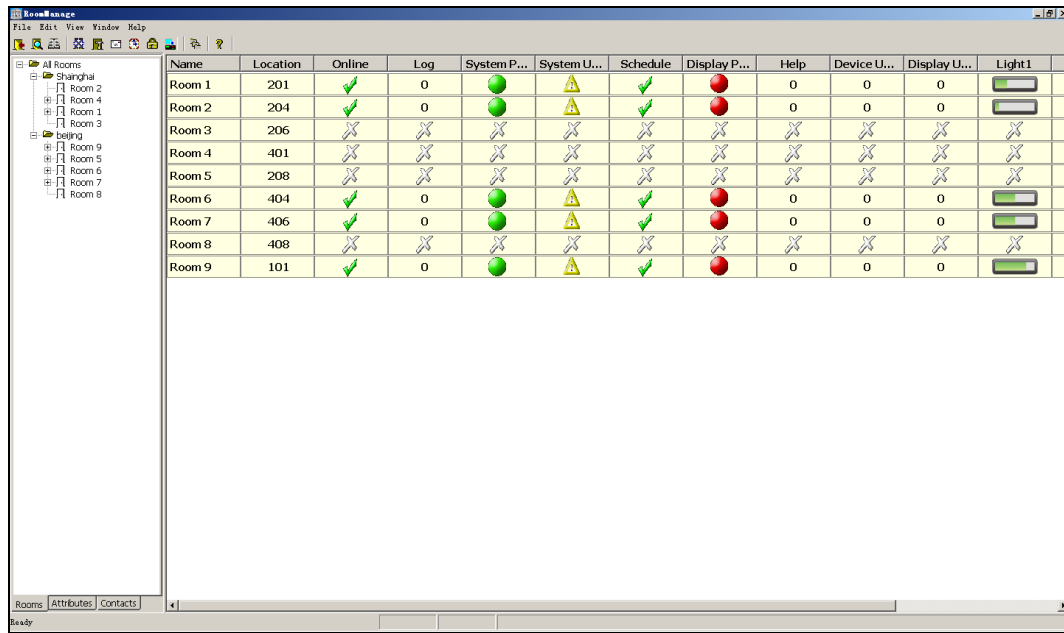
- The Logic Programmer Software is specifically designed for TAIDEN HCS-6100M series programmable network central control main unit, for secondary development programming. The software has powerful programming capabilities, convenient user interfaces, the central control functions for a variety of devices can be realized through programming.

- The TP Vision Designer Software is specifically designed for TAIDEN touch panel products, iPad, iPhone and WebServer. The software is simple, accessible, anyone with a basic knowledge of Windows operating plus short-term training can do programming and make a beautiful touch screen interface.

Ordering Information

HCS-6100W HCS-6100 System Professional Programming Software

HCS-6100W-RM Multi-Room Management Software



Features

HCS-6100 System Multi-Room Management Software is a central management software for controlling multiple rooms via Ethernet. The quantity of rooms that can be managed is decided by the number of ID and IP address. The software is suitable for government agencies, businesses, education and teaching. Each room has a dedicated hardware device and the corresponding network control system in the system.

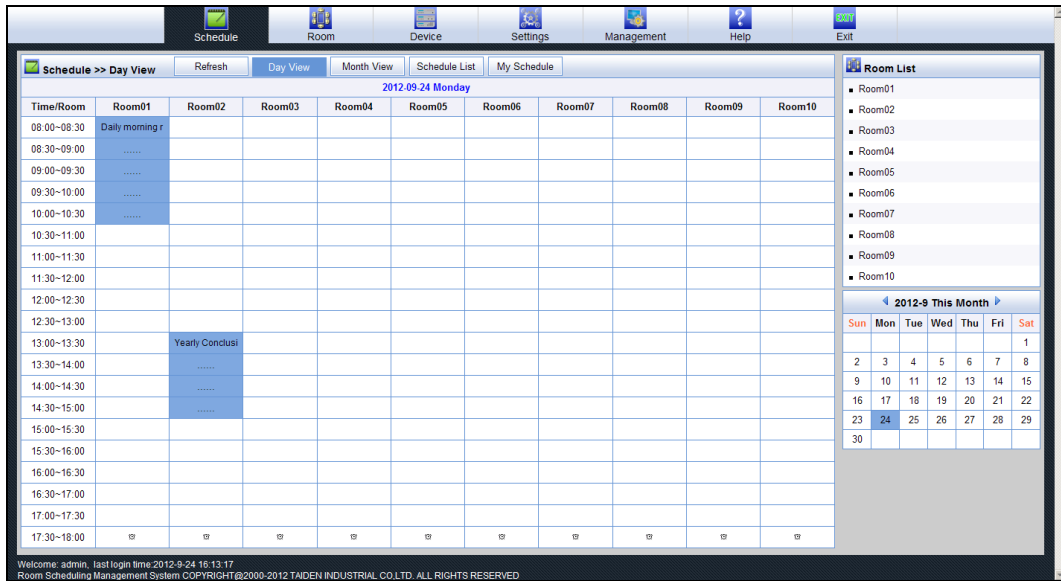
- Central monitoring of each room, including: online status, system power, lamp life, hardware failures, and user defined event properties
- The administrator can arrange events for room, such as: opening light, or projector at the appointed time

- The administrator has the highest authority, he can add/delete/edit properties, room information, contact information, events, user information, and fixed assets information
- The administrator can add users, set up user permissions for the user to monitor specific room
- Monitoring project can be set by the user and be achieved by Logic Programmer Software (RoomManage logic module), several projects can be monitored; room status changes are automatically saved to a log

Ordering Information

HCS-6100W-RM.....HCS-6100 System Multi-Room Management Software

HCS-6100W-RS Room Scheduling Software



Features

Room scheduling management system is a multi-user room management platform based on Ethernet. After configured room reservation is in the server, user can login and query and make appointment via any computer in the LAN.

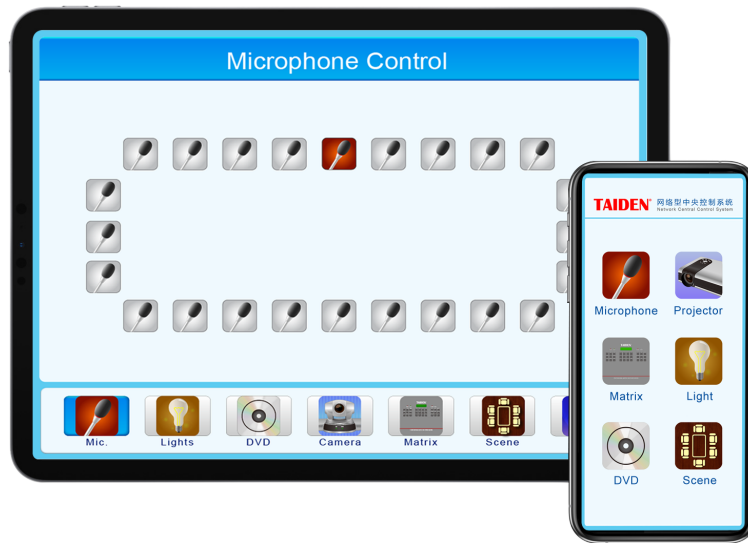
- The administrator has full permissions, can add/delete/edit users, groups, titles, roles, meeting rooms, equipment and events, set system parameters, query and delete log
- Administrator sets user permissions
 - ◆ Query officer: view the status and reservation status of the meeting room
 - ◆ Scheduling staff: query and reservation right
 - ◆ Administrator: full permissions, room scheduling can be audited only by the administrator

- After connecting to central control system main unit, events can be arranged for each room (such as power controlling, light controlling, etc.) by main unit logic programming.
- User actions are automatically saved to a log
- Can backup, restore, compress database file

Ordering Information

HCS-6100W-RS.....Room Scheduling Software

HCS-6100APP TAIDEN Central Control System



Features

HCS-6100APP TAIDEN Central Control System is used for controlling the conference system and environment devices connected with HCS-6100MCP4/WS central control system main unit. The software can be installed on Android tablet or Android phone, supports customizing the interface by TAIDEN TP Vision Designer Software.

- Support management for multiple conference rooms
 - Verify user information.
 - Project Download from TP Designer.
 - Support Font Setting
 - Built-in help document
 - Support debugging logs, easy to maintain
- With a set of control function
 - ◆ Microphone control :Microphones of conference units can be controlled remotely
 - ◆ Camera Control: Cameras can be remote controlled , can realize video auto-tracking
 - ◆ Display control: control the projector and curtains.
 - ◆ DVD control: control the playback of specified songs, pause or stop, etc.
 - ◆ Lighting control
 - ◆ Matrix control
 - ◆ Scene control

Ordering Information

HCS-6100APP.....TAIDEN Central Control System (APP, for Andriod System)