



# SMART CONFERENCE ROOM SOLUTION

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# smart conference room solution

Designed for meeting rooms, this solution utilizes Q-NEX Networked Media Processor(NMP) and professional audio and video system to realize unified device control and management in the meeting room.



## Solution Features

- Device Management
- Wireless Mic System

- One Touch to Control
- Wireless Screen Sharing

- Scheduled Tasks
- Dual Screen Display

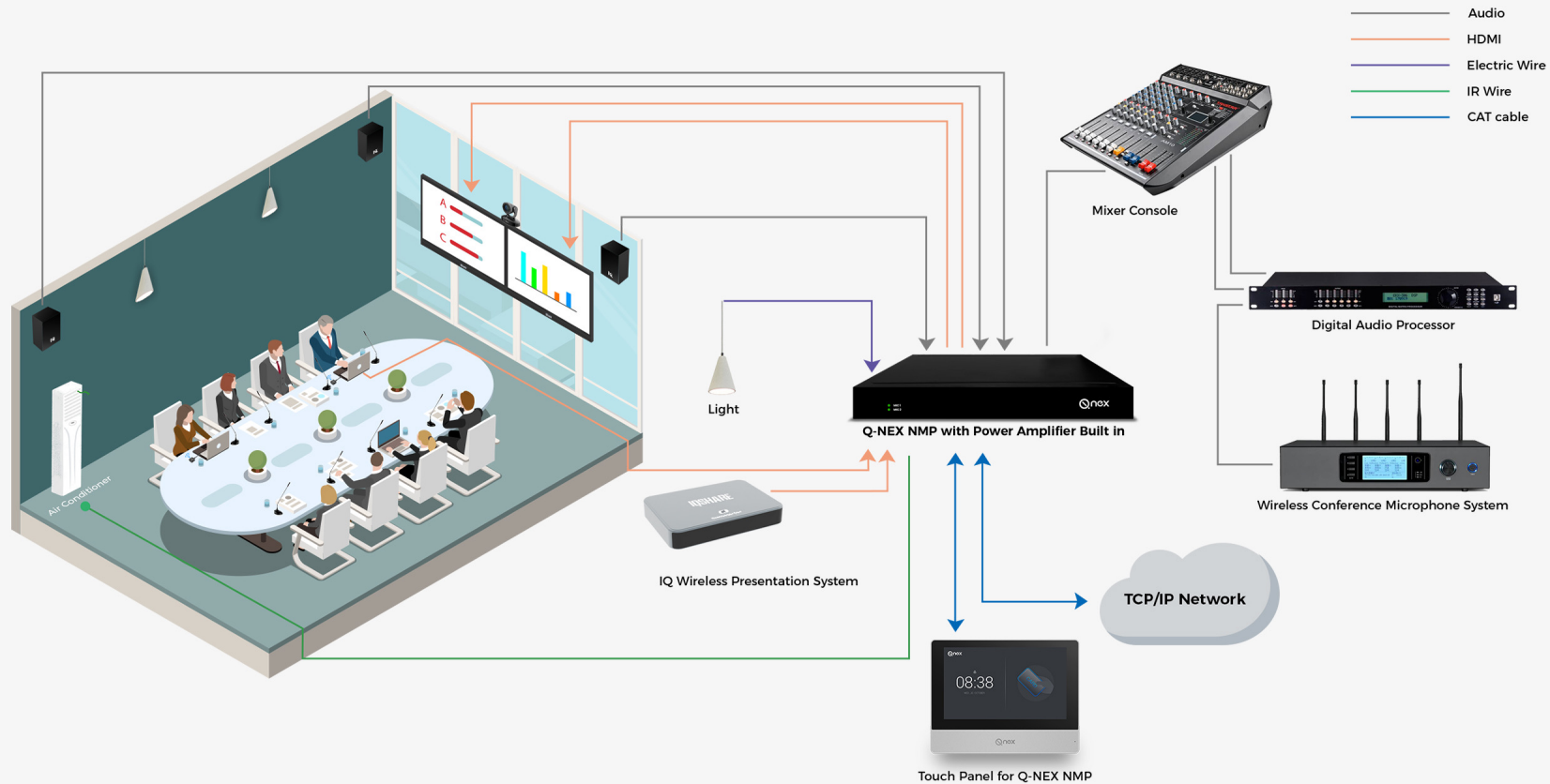
- AV Integrator
- PTZ Camera

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# Layout of connected devices

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Wireless Mic System

Networked Media Processor

Touch Panel

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# Application scenarios

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## Intelligent Wireless Mic System

By connecting PTZ cameras to present real-time tracking of speakers, and support to connect up to 83 wireless gooseneck mics within signal coverage, allowing simultaneous speech up to 4 persons, remote video meeting can be easily started.



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# Application scenarios

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## Central Control by Touch Panel

A stylish and versatile Touch Panel with graphical user interface empowers the meeting room central control with powering on and off the audio and video device, HDMI image switch, volume adjustment, and IoT device control for light, A/C, e-curtain, etc.



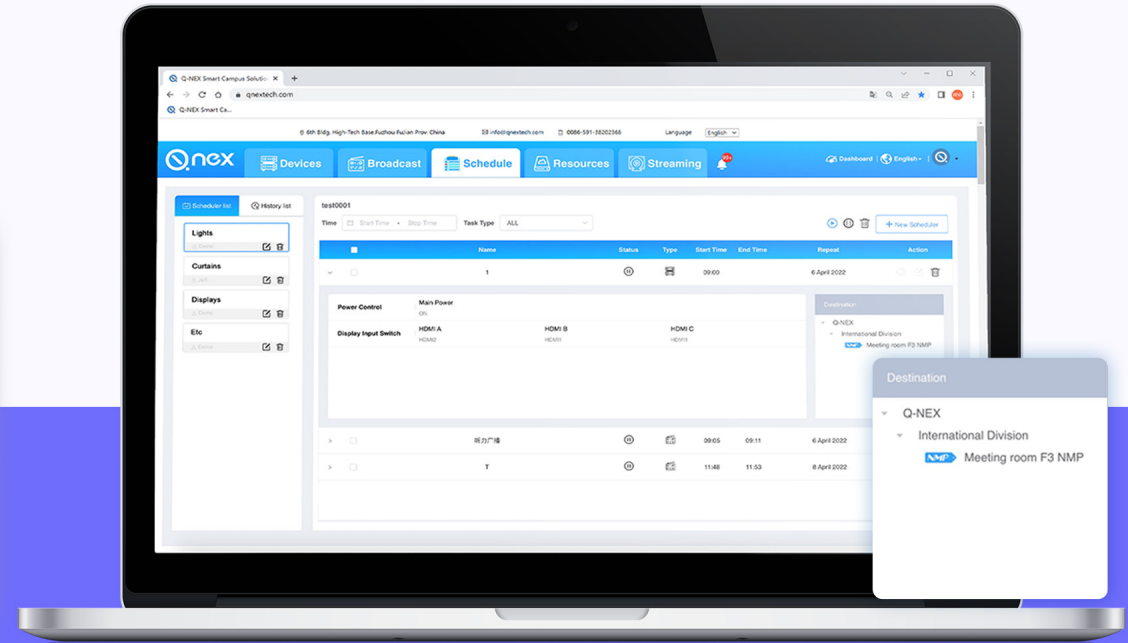
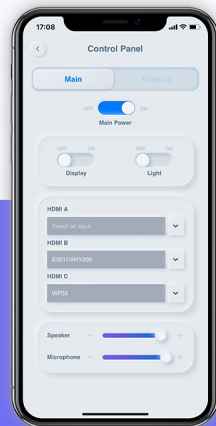
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# Application scenarios

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## Scheduled Tasks for Efficient Management →

Scheduled tasks can be set to power on and off the devices including lights, air conditioners, curtains, displays, etc. Before a meeting starts, the system would automatically get all devices in the room ready for use by scheduled time, which greatly improve the efficiency of a meeting.



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# Application scenarios

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## Wireless Screen Sharing

Simply bring your own device to the meeting and share ideas with the rest of the team. Wireless presentation system allows you to present contents from your laptop or mobile device wirelessly to the office display, stimulating brainstorming and team discussion.

### BYOD

4 Split Screens

Two Way Touch

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# Application scenarios

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## All-in-one Display

IQTouch, a mobile board that houses a computer, TV, whiteboard and document camera all in one unit. By providing a solution that is easy to use, feature-rich, and writing-smooth, which meets your event needs for a conference room.



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# Application scenarios

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## Dual Screen Display

Two displays can be connected to Q-NEX NMP for image switch of dual screen, by presenting the same content, or differently with one screen for video conferencing and the other one for content sharing, which gives the team more collaborative and efficient meeting experience.



# Related products in the solution



Q-NEX NMP221-R

- **Industrial-Grade Embedded Motherboard**  
High-speed 32-bit CPU, Embedded operating system
- **Audio Matrix Module**  
2\*3.5mm line in , 1\*3.5mm line out
- **Microphone**  
1\*6.35mm wired MIC in  
1\*2.4G+UHF wireless MIC in  
1\*3.5mm MIC mixed out
- **HDMI Matrix Module**  
3\*3 HDMI 2.0 Matrix Module, support 4K@60Hz  
support HDCP 2.2 and HDCP 1.x
- **Communication Interface**  
1\*RS232; 2\*USB \*2, 1\*Phoenix 4-Pin for control panel  
1 \* IR learner, 1 \* infrared remote control  
1\*USB-HOST & 2\*USB-DEVICE (Route touch signals from different HDMI inputs to a touch display)



Q-NEX Touch Panel CPL10

- **CPU:**  
Quad-core, Main frequency 1.5GHz
- **RAM :**  
DDR3 1G can be extended to 2G
- **O.S.:**  
Android 8.1
- **Screen:**  
7-inch 1024\*600IPS
- **Dimension:**  
180mm\*140mm\*9.0mm (L\*H\*W)
- **Touchscreen:**  
7-inch capacitive screen with tempered glass  
10-point touch  
Optical bonding

# Related products in the solution



**IQTouch**

- **Model:** LE065MD, LE075MD, LE086MD
- **Diagonal Size:** 65", 75", 86"
- **Brightness:** 350cd/m<sup>2</sup>
- **Panel Type:** TFT
- **Backlight:** Direct LED (DLED)
- **Resolution:** 4K UHD (3840\*2160)
- **Aspect Ratio:** 16:9
- **Viewing Angle:** 178°(H), 178°(V)
- **Backlight Life Time :** 50,000 hrs
- **Glass:**  
3mm Anti-Glare Tempered Glass with  
Zero Bonding (MOHS 7)



**IQMeet Cam CV810**

- **Model:**  
CV810
- **Optical Zoom:**  
12X
- **Digital Zoom:**  
16X
- **FOV Horizontal:**  
6.55° (tele) ~ 69.4° (wide)
- **FOV Vertical:**  
3.66° (tele) ~ 42.8° (wide)
- **Aperture:**  
F1.6 - F2.8±5%
- **Image Sensor:**  
1/2.8 Inch SONY CMOS Sensor
- **Effective Pixels:**  
8.51M; 16:9

# Related products in the solution



**IQShare WP40**

- **Model:**  
WP40
- **Video Outputs:**  
HDMI 1.4, comply with HDCP
- **Frame Rate:**  
Up to 60 fps depending on environment (UHD)
- **Output Resolution:**  
Max 3840\*2160P(4K)
- **Input Resolution(wireless transmission):**  
Max 3840\*2160P(4K)
- **Simultaneous Connections(Buttons):**  
8 pcs
- **Max. Display Windows:**  
4 pcs
- **System:**  
Android 9.0



**IQSound PS610**

- **Model:**  
PS610
- **Output Power:**  
60W
- **Maximum Power:**  
120W
- **Input Voltage:**  
100V/8Ω
- **Sensitivity:**  
91±2dB
- **Frequency Response:**  
60Hz~20KHz
- **Material:**  
ABS Plastic shell+iron mesh enclosure

# Related products in the solution



## QAM10 Mixer

- 10 inputs including 4 mics+ 3 Stereos(L+R)
- L/R on main channel, SUB group, SOLO and other bus signal distribution buttons
- Built-in 99 kinds of 24BIT DSP +digital display
- 3 band EQ
- Group output of SUB1/2
- Double 12 level monitoring
- PAN MUTE, THD signal lamp
- 2 stereo aux return input+PC USB-A 2.0 interface, can be used for USB playback and other electronic equipment
- Aux+ effect FX send, RCA input and REC recording output
- Independent monitoring+ Headphones monitoring for output
- 60mm logarithmic fader
- 48V phantom power supply

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## Related products in the solution

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### QDG-U100

- Up to 83 mic units, simultaneous speech from 1~4 persons
- Controls up to 7 cameras at the same time
- Real-time tracking camera for speakers
- Multiple PTZ camera control protocols such as Sony Visca, Pelco-P and Pelco-D
- Smart LAN control software for managing all units in one integrated interface
- Built-in 15-band EQ for each channel
- SUBG band data scheduling technology
- Wireless digital audio/control signal processing
- Two discussion modes: FIFO (First-in-First-out) or No-Delegate mode
- XLR/TRS/TRS-Isolated outputs for connection

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## Related products in the solution

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### QEKK-306

- 3-in 6-out audio processor,
- 96kHz sampling rate,
- 40-bit DSP processor,
- 24-bit AD/DA conversion
- Audio matrix with three-channel input and six-channel output
- Built-in test signal generator
- 20 user presets, 1 factory preset
- Controlled by USB or RS232 port, remote scheduled control
- Up to 255 units can be cascaded by RS485
- 5-segment high-precision level indicator lights, key-operated indicator lights, and password-protected



**Thank You**

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