# LYINTL

## Video Conference System

**4K All-in-One Video Conference Camera with Integrated Microphone, Speaker, and AI Auto Face-Tracking**

## LY-8071HD

# User Manual

Thanks for choosing LYINTL video conference system. For better use the equipment, please read this manual carefully piror to use.

**LY International Electronics. Co., Ltd**

The LY-8071HD is an all-in-one intelligent conference solution, integrating a 4K Ultra HD camera, smart microphone array, and high-fidelity  speakers into a compact system designed for modern collaboration. Powered by an 8MP premium CMOS sensor, it delivers 4K ultra-clear video with a 120 degree wide-angle lens and 4x digital zoom, ensuring every participant is captured with precision.

## Key Features

**4K Ultra HD Video**
Maximum resolution up to 4K@30/25fps, 2K@30fps for lifelike image clarity.

**AI-Powered Functions**
Face detection, human tracking, auto-framing, and intelligent zoom to optimize participant focus.ÿÿ

**High Dynamic Range (HDR) & Low-Light Performance**
Supports HDR and performs effectively at just 0.1Lux.ÿÿ

**Wide-Angle Coverage**
120° lens with IR remote control support.

**Advanced Audio Processing (3A)**
Echo cancellation (AEC), automatic gain control (AGC), and noise suppression (ANS).ÿÿ

**Built-in Smart Microphone Array**
Expandable with optional external microphone arrays or omnidirectional microphones.

**Multiple Audio Modes**
Configurable for different meeting scenarios — Presentation Mode, Standard Mode, and Large Conference Mode.

**High-Fidelity Speakers**
Dual 20W built-in speakers deliver powerful, clear sound.

**Bluetooth 5.0 Support**
For wireless connectivity and flexible usage.

**Optional Telephony Integration**
Compatible with VoIP and PSTN communication systems.ÿÿ

**Plug & Play Compatibility**
Supports Windows and Android systems with automatic recognition of camera, microphone, and speakers — no drivers required.

**Flexible Connectivity**
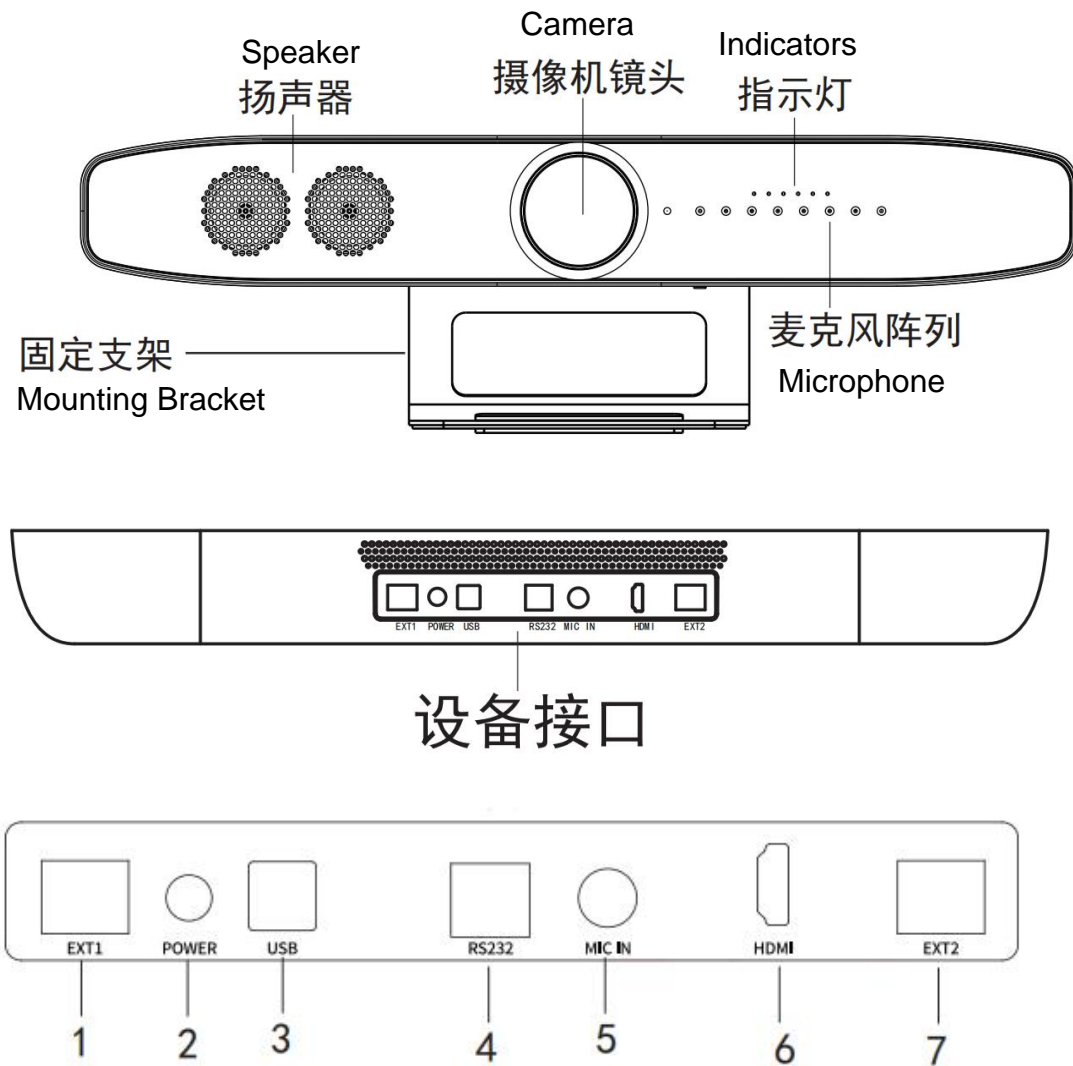USB, Bluetooth, and expansion unit support.ÿÿ

**Power Supply**
DC16V/3A adapter.

## Applications

Designed for versatility, the LY-8071HD Intelligent Conference System is ideal for corporate boardrooms, government offices, educational institutions, and training environments. With its advanced AI video tracking and innovative audio enhancement technology, it ensures seamless, immersive, and professional video conferencing experiences.
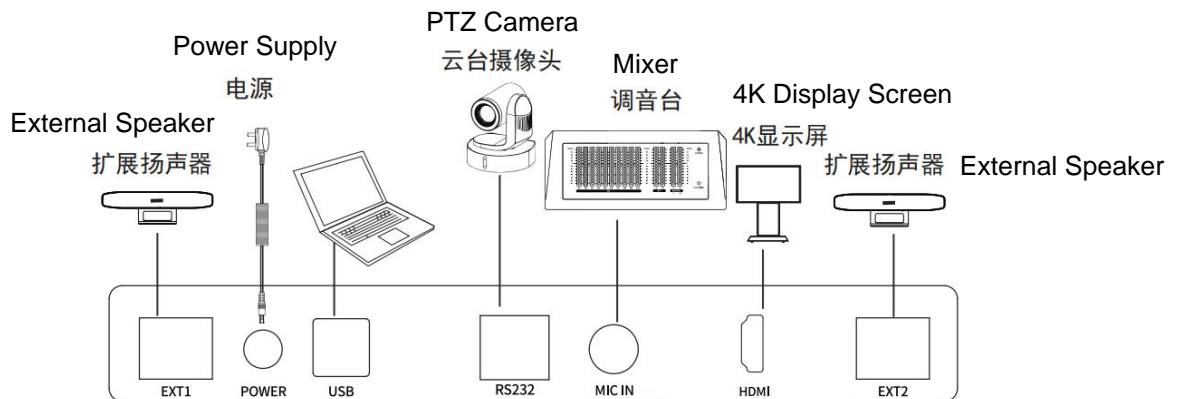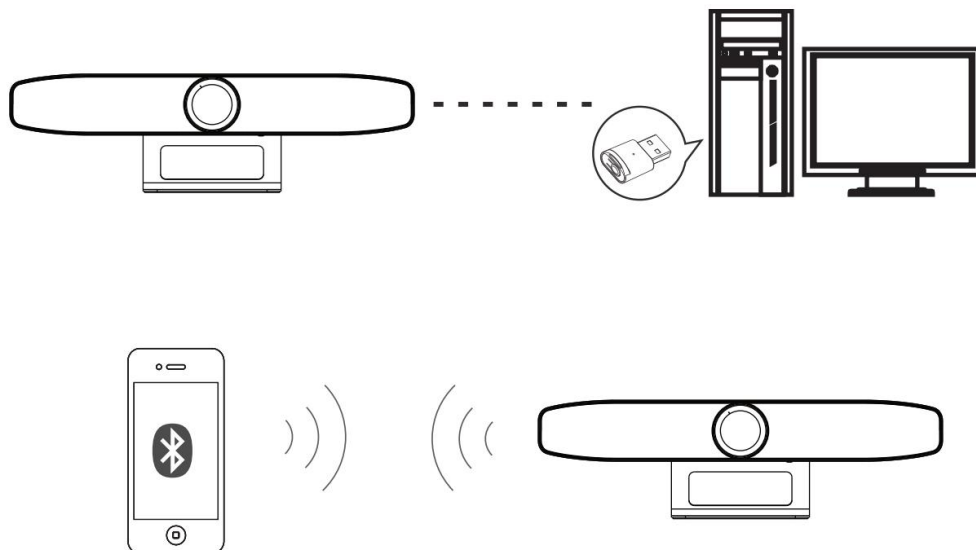
## Interfaces

Speaker
扬声器

Camera
摄像机镜头

Indicators
指示灯

固定支架
Mounting Bracket

麦克风阵列
Microphone

EXT1 POWER USB    RS232 MIC IN    HDMI    EXT2

设备接口

| EXT1 | POWER | USB | RS232 | MIC IN | HDMI | EXT2 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |

1,EXT1: External speaker connection

2,POWER: Connect to power adapter

3,USB: Connect to conferencing devices such as a computer

4,RS232: DIN8 serial communication port for connecting external PTZ cameras

5,MIC IN: Audio input

6,HDMI: 4K Ultra HD output

7,EXT2: External speaker connection
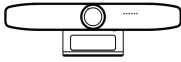
## System Connection Diagram

**Wired Connection**



**Wireless Bluetooth Connection**



Bluetooth Connection Instructions:

Press the " ✶ " button, and the blue indicator light will start flashing, indicating that the device has entered Bluetooth pairing mode. Turn on the Bluetooth function on your phone, search for the corresponding Bluetooth name, and complete the pairing. Once paired successfully, the blue light will remain steady. Press the " ✶ " button again to turn off the Bluetooth function. (For connection via a Bluetooth adapter, please refer to the Bluetooth adapter instructions.)

# Packing List

| No. | List | | Qty |
|---|---|---|---|
| 1 | All-in-one Main Machine | | 1 |
| 2 | Remote Control | | 1 |
| 3 | Power Supply Adapter | | 1 |
| 4 | USB Cable | | 1 |
| 5 | Bluetooth Adaper (Optional) | | 1 |
| 6 | Manual Book | User Manual | 1 |