

Denver 118101020090

Denver IIC-172 Indoor Surveillance Camera User Manual

Model: IIC-172 (118101020090)

1. INTRODUCTION

Thank you for purchasing the Denver IIC-172 Smart Indoor IP Camera. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before use and retain it for future reference.

The Denver IIC-172 is designed to provide reliable indoor surveillance with its 720p HD resolution, infrared night vision, and advanced motion detection. It features a 355-degree pan and 90-degree tilt function, two-way audio communication, and is compatible with the TUYA Smart Home platform via the Denver Smart Home App.

2. SAFETY INFORMATION

- Ensure the camera is installed in a stable location to prevent falling.
- Do not expose the camera to extreme temperatures, humidity, or direct sunlight. Operating temperature range: -10°C to +55°C.
- Use only the provided power adapter (230V~, 50Hz) to power the device.
- Keep the camera away from water and other liquids.
- Do not attempt to disassemble or repair the camera yourself. Refer all servicing to qualified personnel.
- Keep out of reach of children.
- Protect the power cord from being walked on or pinched.

3. PACKAGE CONTENTS

Please check the package for the following items:

- Denver IIC-172 Smart Indoor IP Camera
- Power Adapter
- User Manual (this document)

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your Denver IIC-172 camera.

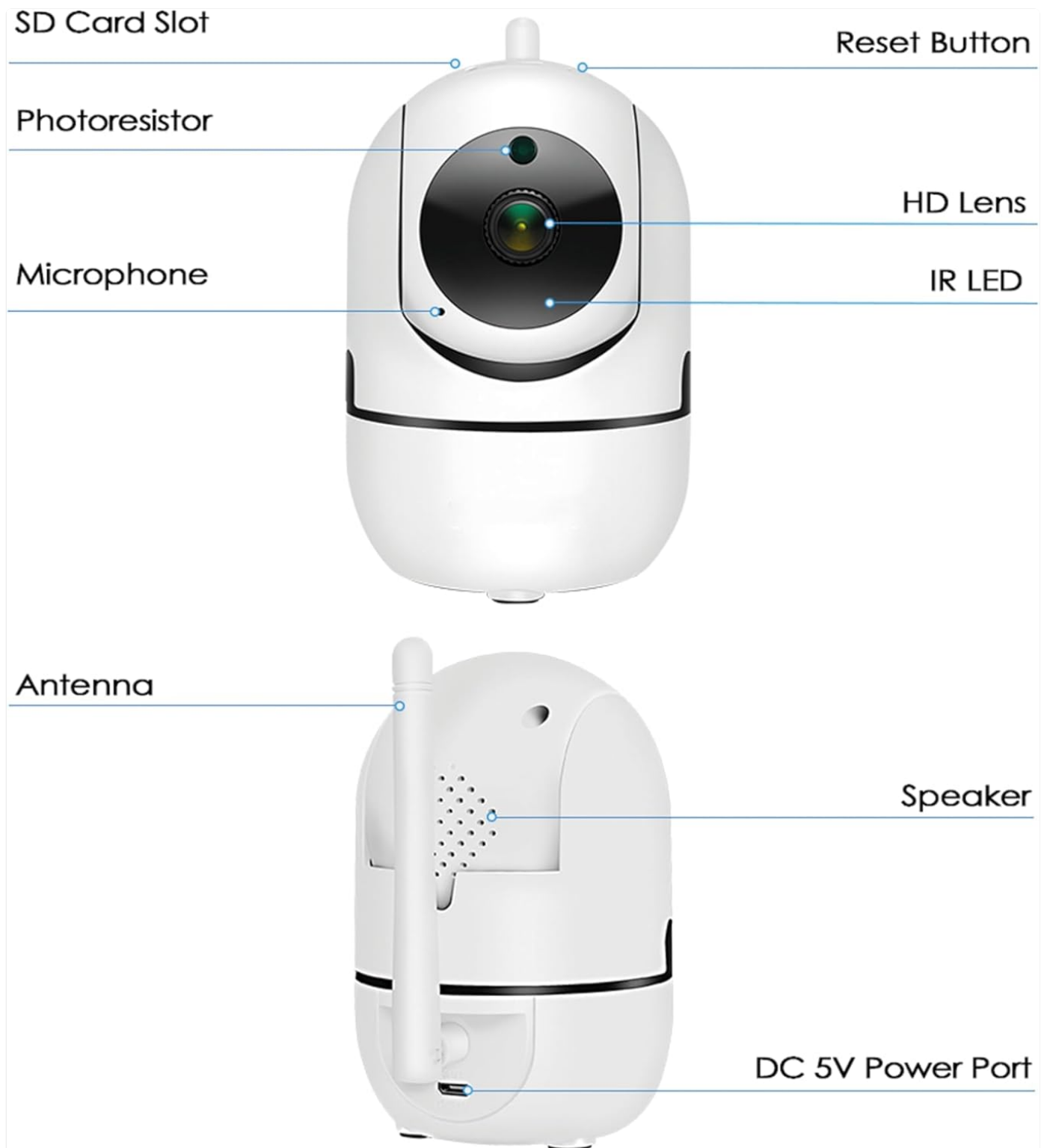


Figure 4.1: Front and back view diagram of the Denver IIC-172 camera with key components labeled. The top view shows the SD Card Slot, Reset Button, Photoresistor, HD Lens, Microphone, and IR LED. The bottom view shows the Antenna, Speaker, and DC 5V Power Port.

- **HD Lens:** Captures video in 720p resolution.
- **IR LED:** Provides infrared illumination for night vision up to 10 meters.
- **Microphone:** For audio input and two-way communication.
- **Speaker:** For audio output and two-way communication.
- **Photoresistor:** Detects ambient light levels to automatically switch between day and night modes.
- **SD Card Slot:** Supports MicroSD cards up to 128 GB for local storage (card not included).

- **Reset Button:** Used to reset the camera to factory settings.
- **Antenna:** For Wi-Fi connectivity.
- **DC 5V Power Port:** Connects to the power adapter.





Figure 4.2: Front view of the Denver IIC-172 camera, showing the main lens and the "denver" logo at the base.



Figure 4.3: Rear view of the Denver IIC-172 camera, highlighting the recessed reset button and the MicroSD card slot.

5. SETUP

5.1 Initial Placement

Place the camera on a flat, stable surface or mount it to a wall using appropriate hardware (not included). Ensure the camera has a clear line of sight to the area you wish to monitor and is within range of your Wi-Fi network.

5.2 Powering On

1. Connect the provided power adapter to the DC 5V Power Port on the camera.
2. Plug the power adapter into a standard electrical outlet.
3. The camera will power on and initiate its startup sequence. Wait for the indicator light to flash, indicating it's ready for connection.

5.3 App Installation and Connection

1. Download the "Denver Smart Home" app from the App Store (iOS) or Google Play Store (Android).
2. Register for a new account or log in if you already have one.
3. In the app, tap "Add Device" or the "+" icon to add a new camera.
4. Follow the on-screen instructions in the app to connect the camera to your Wi-Fi network. This typically involves scanning a QR code generated by the app with the camera's lens.
5. Once connected, you can name your camera and begin live viewing.

5.4 MicroSD Card Installation (Optional)

To enable local video recording, install a MicroSD card (up to 128 GB, not included).

1. Locate the MicroSD card slot on the camera (refer to Figure 4.1).
2. Gently insert the MicroSD card into the slot until it clicks into place. Ensure the correct orientation.
3. Format the MicroSD card via the Denver Smart Home app settings for optimal performance.

6. OPERATING THE CAMERA

6.1 Live View

Open the Denver Smart Home app and select your camera from the device list to access the live video feed.

6.2 Pan and Tilt Control

From the live view screen in the app, use the directional controls to remotely pan the camera 355 degrees horizontally and tilt it 90 degrees vertically to adjust the viewing angle.

6.3 Two-Way Audio

Tap the microphone icon in the app to speak through the camera's speaker. Tap the speaker icon to listen to audio from the camera's microphone.

6.4 Motion Detection and Recording

The camera features advanced motion detection. When motion is detected, the camera can automatically record 20-30 second video clips and send notifications to your smartphone. Adjust motion detection sensitivity and notification settings in the app.

6.5 Night Vision

The camera automatically switches to infrared night vision mode in low-light conditions, providing clear black and white video up to 10 meters.

6.6 Playback

Access recorded video clips stored on the MicroSD card or cloud storage (if subscribed) through the playback function in the Denver Smart Home app.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the camera lens and body. Do not use liquid cleaners or abrasive materials.
- **Firmware Updates:** Regularly check the Denver Smart Home app for available firmware updates to ensure optimal performance and security.
- **MicroSD Card:** If using a MicroSD card, consider formatting it periodically (e.g., every few months) to maintain recording efficiency. Back up any important recordings before formatting.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera offline/Cannot connect to Wi-Fi.	Weak Wi-Fi signal; Incorrect Wi-Fi password; Router issues; Camera too far from router.	Ensure camera is within Wi-Fi range. Verify Wi-Fi password. Restart your Wi-Fi router. Reset the camera using the reset button and re-add it in the app.
No recording to MicroSD card.	MicroSD card full or not formatted; Card not inserted correctly; Recording settings disabled.	Format the MicroSD card via the app. Ensure the card is inserted correctly. Check recording settings in the app (e.g., motion detection recording). Try a different MicroSD card.

Problem	Possible Cause	Solution
Poor video quality.	Dirty lens; Insufficient lighting; Weak network connection.	Clean the camera lens with a soft cloth. Ensure adequate lighting in the monitored area. Check your internet speed and Wi-Fi signal strength.
Two-way audio not working.	Microphone/speaker muted in app; App permissions; Network issues.	Check audio settings in the app. Ensure the app has microphone permissions on your phone. Verify network stability.

9. SPECIFICATIONS

Feature	Detail
Model	IIC-172 (118101020090)
Resolution	1280x720 (720p HD)
Sensor	1 MP
Framerate	Max. 12 fps
Pan/Tilt Range	Horizontal: 355°, Vertical: 90°
Night Vision Range	Up to 10 meters (IR LEDs)
Storage	MicroSD card slot, up to 128 GB (card not included)
Audio	Two-way audio (built-in speaker and microphone)
Connectivity	Wi-Fi (Wireless)
App Compatibility	Denver Smart Home App (TUYA platform), iOS & Android

Feature	Detail
Power Supply	230 V~, 50 Hz (via power adapter)
Operating Temperature	-10°C to +55°C
Color	White
Dimensions (L x W x H)	9 x 16 x 9 mm (0.9 x 1.6 x 0.9 cm)
Weight	310 g

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official Denver website. Do not attempt to repair the device yourself.

Manufacturer: Denver

Model Number: 118101020090