

BOIFUN B1

BOIFUN B1 Baby Monitor User Manual

2K Indoor Camera with Temperature/Humidity Detection

1. INTRODUCTION

The BOIFUN B1 Baby Monitor is an advanced indoor surveillance camera designed to help you monitor your baby, pets, or elderly family members with ease. It features 2K resolution, 360° automatic tracking, two-way audio, night vision, and environmental monitoring capabilities including temperature, humidity, and sound detection. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your device.



Image 1.1: The BOIFUN B1 Baby Monitor shown with a mother and baby, illustrating its primary use for family monitoring.

家族全員の健康と安全を守りたいあなたにぴったりの、BOIFUN B1 見守りカメラ。

見守りカメラの一台で以下の悩みをすべて解決します！

1. 親御様はひとり暮らしで安否が気になる
2. お留守番中のペットの様子が気になる
3. 別の部屋に赤ちゃんを一人で寝かせるのは心配
4. 外出で家や財産の安全性が心配



ベビーカメラとして



ペットカメラとして



家庭監視カメラとして



高齢者介護カメラとして

Image 1.2: Various applications of the BOIFUN B1 camera, including monitoring babies, pets, home security, and elderly care.

2. PACKAGE CONTENTS

Please check the package contents upon opening to ensure all items are present and undamaged. If any items are missing or damaged, please contact customer support.



Image 2.1: Illustration of all items included in the BOIFUN B1 Baby Monitor package.

- BOIFUN B1 Camera Unit
- Power Adapter
- Power Cable (1.5m)
- Reset Pin
- Mounting Screws (x3)
- Wall Anchors (x3)
- Mounting Base (1/4-inch screw)
- Instruction Manual

3. PRODUCT OVERVIEW

The BOIFUN B1 camera is designed for comprehensive indoor monitoring. Key features include:

- **2K High-Resolution Video:** Provides clear and detailed images.
- **Enhanced Night Vision:** 2K night vision with invisible infrared LEDs for monitoring in low-light conditions up to 15 meters.
- **360° Automatic Tracking:** Horizontal 355° and vertical 110° rotation with automatic tracking of detected movement.
- **Two-Way Audio:** Allows for clear communication through the camera.
- **Environmental Sensors:** Integrated temperature and humidity detection with alerts.
- **Smart Detection:** Human detection, motion detection, and sound detection with customizable alert zones.
- **Privacy Mode:** Features to protect privacy, including screen inversion for flexible mounting.
- **Flexible Storage:** Supports Micro SD card (up to 128GB) and free 6-second cloud recording.



Image 3.1: A collage highlighting key features such as temperature/humidity detection, 24-hour recording, 2K night vision, privacy protection, and Wi-Fi compatibility.



Image 3.2: Comparison of 2K high-resolution image quality versus standard 1080P, demonstrating the clarity provided by the F/2.0 aperture lens and HDR image processing.

4. SETUP GUIDE

4.1 Initial Setup

1. **Power On:** Connect the camera to a power source using the provided power adapter and cable. The camera will power on automatically.
2. **Download App:** Download the 'mipc' app from your smartphone's app store (compatible with Android 5.0+ and iPhone 5s+).
3. **Account Registration:** Open the app and register for a new account or log in if you already have one.
4. **Add Device:** Follow the in-app instructions to add your BOIFUN B1 camera. This typically involves scanning a QR code on the camera or manually entering its ID.
5. **Wi-Fi Connection:** Connect the camera to your home Wi-Fi network. The camera supports both 2.4GHz and 5GHz bands for stable connectivity.



Image 4.1: The camera supports both 2.4GHz and 5GHz Wi-Fi bands for flexible and stable network connection within your home.



Image 4.2: Demonstrates improved connection efficiency, reduced interference, and faster pairing for a seamless user experience.

4.2 Installation

The BOIFUN B1 camera offers versatile installation options:

- **Tabletop:** Place the camera on any flat surface.
- **Wall Mount:** Use the included mounting base, screws, and anchors to secure the camera to a wall.
- **Ceiling Mount:** Attach the camera to the ceiling using the mounting base. Remember to enable the screen inversion function in the app if mounting upside down.
- **Tripod Mount:** The camera base is compatible with standard 1/4-inch tripod screws.



Image 4.3: Various installation methods for the camera, including ceiling, wall, tripod, and tabletop placement. The power cable length is 1.5m.

5. OPERATING INSTRUCTIONS

5.1 Live View and Pan/Tilt Control

Once connected, open the mipc app to view the live feed. Use the on-screen controls to pan (horizontal) and tilt (vertical) the camera lens to adjust the viewing angle. The camera offers 355° horizontal and 110° vertical rotation.

5.2 Two-Way Audio

To use the two-way audio function, tap the microphone icon in the app. You can speak through your smartphone, and your voice will be transmitted through the camera's speaker. This allows for direct communication with the monitored area.



Image 5.1: Demonstrates the one-touch two-way talk feature, allowing users to communicate with individuals in the camera's view.

5.3 Screen Inversion

If the camera is mounted upside down (e.g., on a ceiling), enable the screen inversion function in the app settings to correct the image orientation.

画面反転機能

カメラを天井や壁に取り付けた後、映像が上下反転する場合は、アプリケーションで画面反転機能を有効にすると映像が修正されます。



Image 5.2: Shows the screen inversion function, which corrects the image orientation when the camera is mounted on a ceiling or wall.

6. ADVANCED FEATURES

6.1 Automatic Tracking

The camera can automatically detect and track moving objects within its field of view. This feature ensures that the subject remains in the frame. The camera also includes an automatic recovery function to return to a preset position after tracking.

全方位自動追跡(上下左右) & 自動回復機能

水平方向355°、垂直方向110°の首振り機能で、部屋の隅々まで監視可能。

機能比較:	本製品	一般的な見守りカメラ
追跡範囲	全方位(上下左右)	左右のみ(水平180°程度)
障害物対応:	自動回復機能あり	追跡ロストが多い
連動機能:	アラート+録画+行動見返し +危険エリアにも設定可能	録画+アラートのみ



Image 6.1: Demonstrates the automatic tracking feature, showing the camera following moving subjects (cats) within its 355° horizontal and 110° vertical range.

6.2 Night Vision

The B1 camera is equipped with 2K night vision and invisible infrared LEDs, allowing for clear monitoring in complete darkness without disturbing the monitored area. The silent design ensures quiet operation.



Image 6.2: Compares the BOIFUN B1's 2K night vision with F/2.0 lens (20% brighter) against a standard 1080p camera, showing superior clarity in low light.

6.3 Environmental Monitoring (Temperature, Humidity, Crying Sound)

The camera features built-in sensors to detect temperature and humidity levels. If these levels exceed or fall below preset thresholds, you will receive an alert on your smartphone. It also detects crying sounds, providing immediate notifications.



Image 6.3: Illustrates the temperature, humidity, and crying sound detection features, showing smartphone alerts for environmental changes or detected sounds.

6.4 AI Motion, Human, and Sound Detection

The camera utilizes advanced AI technology for precise detection of human figures, general motion, and sounds. You can customize alert schedules and sensitivity levels (10 levels) to minimize false alarms and receive relevant notifications.

高度なAI動体検知

スマホ通知・警報通知時間設定

高度なAI検知技術により、正確に子供が学校から帰ってきた、ペットが動いたなど検知します。検知通知が即時スマホに送信されます。ペットや子供も見守り、高齢者介護に最適な見守りカメラです。

柔軟な設定対応:

アラーム時間設定

10段階の検知感度設定



人検知



動体検知



サウンド検知



Image 6.4: Highlights the advanced AI detection capabilities, including human detection, motion detection, and sound detection, with customizable settings.

6.5 Detection Area Settings and Privacy Protection

Define specific detection zones within the camera's view to focus monitoring on critical areas and ignore irrelevant movements. This enhances privacy and reduces unnecessary alerts. The camera also features a privacy mode to physically cover the lens.

検知エリア設定により、プライバシーの保護と効率的な見守り

監視エリア内でモーション検知したい範囲をユーザーが自由に選択できます。

誤検知の削減・効率化:

不要なアラートや警告を減らし、より正確で効率的なモニタリングが可能になります。

プライバシーの保護:

見守られる方(ご家族など)のプライバシーを尊重できます。

設定例

- ① 高齢者見守り: 玄関、寝室の出入り口、階段
- ② ペットの活動エリア
- ③ ホームセキュリティ: 窓、庭の侵入経路



Image 6.5: Shows how to set detection areas to protect privacy and improve monitoring efficiency, with a red overlay indicating a defined alert zone.



Image 6.6: Illustrates privacy protection features, such as a physical lens cover or privacy mode, to ensure visual privacy when needed.

6.6 Lullaby and Night Light

The camera integrates light and sound therapy features, including 14 types of lullabies and a gentle night light. These functions can be controlled via the app to help soothe and comfort children.

光と音の統合療法に基づいた子守唄と優しい夜間ライト

音楽療法: 14種類の英語版が搭載、音の周波数帯域 (250-600Hz) の調整がされており、特に睡眠誘導や気持ちの安定や安心感をもたらし、不安や孤独感を軽減します。

夜間授乳用ナイトライト: 低照度で片手操作可能なナイトライトを搭載。

注意: 音楽の再生するにはSDカードの挿入が必要となります。



子守唄



常夜灯



Image 6.7: Depicts the integrated lullaby and gentle night light functions, designed to provide comfort and aid sleep for babies.

6.7 Voice Changer

Engage in fun interactions using the voice changer feature, which allows you to alter your voice to sound like a clown, original, or an old man. This can be used for playful communication or to comfort children.

楽しい声変わり機能で子供と盛り上がりよう！

声を変えるだけで、子供の反応が変わる！
ぜひ試してみて、家族の笑い声を増やしましょう！

こんな時に使える！

おままごとやごっこ遊びの演出に
寝かしつけ前の楽しいコミュニケーション
泣いている子供を笑顔にさせる



ピエロ



オリジナル



おじさん



Image 6.8: Illustrates the voice changer function, offering options like 'Clown', 'Original', and 'Old Man' voices for interactive communication.

7. STORAGE OPTIONS

The BOIFUN B1 camera supports two primary storage methods for recorded video:

- **Micro SD Card:** Insert a Micro SD card (up to 128GB, sold separately) into the camera's slot for local storage. The camera supports automatic overwriting of older footage when the card is full.
- **Cloud Storage:** The camera offers free 6-second cloud recording for detected events. Longer cloud storage plans may be available through the app.

24時間全日録画：大切な瞬間を見逃しません

今の記録は、未来への贈り物に。



見やすい時間軸



日付による簡単な録画確認



動画再生4倍可能



Image 7.1: Shows the 24-hour continuous recording feature, capturing important moments throughout the day and night.



Image 7.2: Details the automatic overwrite function and easy review of recordings. Supports Micro SD cards up to 128GB and free 6-second cloud recording.

8. 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 mipc app for firmware updates to ensure optimal performance and security.
- **Resetting the Camera:** If the camera malfunctions or you need to reconfigure it, use the provided reset pin to press the reset button (usually located on the back or bottom of the camera) for approximately 5-10 seconds until the indicator light changes.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera not connecting to Wi-Fi	Incorrect Wi-Fi password; Camera too far from router; Router not supporting 2.4GHz (if applicable).	Verify Wi-Fi password; Move camera closer to router; Ensure router supports 2.4GHz or 5GHz as needed.
No image in live view	Camera is offline; Network issue; App malfunction.	Check camera power and Wi-Fi connection; Restart camera and app; Check internet connection.
Motion detection not working	Detection sensitivity too low; Detection area not set correctly; Feature disabled.	Adjust sensitivity in app settings; Redefine detection zones; Enable motion detection.
Two-way audio not clear	Microphone/speaker obstruction; Network latency; Volume settings.	Ensure no obstructions; Check network stability; Adjust volume in app.
SD card not recording	SD card full or corrupted; Incorrect format; Recording feature disabled.	Format SD card in app; Replace SD card if corrupted; Enable continuous recording.

10. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Name	B1
Brand	BOIFUN
Video Resolution	1296p (2K)
Connectivity	Wireless (Wi-Fi, 2.4GHz & 5GHz)
Pan/Tilt Range	Horizontal 355°, Vertical 110°
Night Vision Range	Up to 15 meters
Storage Options	Micro SD card (max 128GB), Cloud storage (free 6-second event recording)
Power Source	Corded Electric
Compatible Devices	Smartphones (Android 5.0+, iPhone 5s+)
Dimensions	9.2 x 16.5 x 9.2 cm
Included Components	Instruction Manual, Power Adapter, Power Cable, Mounting Kit

11. SAFETY INFORMATION

- This device is for indoor use only. Do not expose it to rain or moisture.
- Ensure the power adapter and cable are not damaged. Use only the provided power supply.
- Keep the camera out of reach of children and pets to prevent accidental damage or injury.
- Avoid placing the camera near heat sources or in direct sunlight.
- Do not attempt to disassemble or repair the camera yourself. Contact customer support for assistance.
- Respect privacy. Ensure you have consent before recording individuals.

12. WARRANTY AND SUPPORT

BOIFUN products come with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included in your package or contact BOIFUN customer support.

For technical support, troubleshooting assistance, or any inquiries regarding your BOIFUN B1 Baby Monitor, please visit the official BOIFUN website or contact their customer service team. Contact information can typically be found on the product packaging or the official brand store.