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> [BEVA Wireless Endoscope Camera F99 User Manual](#)

BEVA F99

BEVA Wireless Endoscope Camera F99 User Manual

Model: F99

1. INTRODUCTION AND OVERVIEW

The BEVA Wireless Endoscope Camera F99 is a versatile inspection tool designed for examining hard-to-reach areas. Featuring a 2.0 Megapixel HD camera, Wi-Fi connectivity for smartphones (Android and iOS), and a 5-meter semi-rigid cable, it provides clear visuals in various environments. Its IP67 waterproof rating and integrated LED lights make it suitable for both dry and wet conditions, including plumbing, automotive, and household inspections.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Endoscope Camera x 1
- Magnet x 1
- Hook x 1
- Mirror x 1
- USB Charging Cable x 1
- User Manual x 1

3. PRODUCT FEATURES

- **High Resolution Camera:** Equipped with a 2.0 Megapixel HD camera, capable of recording videos in AVI format and capturing photos in JPG format. Adjustable resolutions include 640x480 and 1280x720.
- **Wireless Connectivity:** Connects to smartphones (Android, iOS) via Wi-Fi using the "WiFi Look" application. An included adapter cable allows connection to a PC.
- **IP67 Waterproof Rating:** The camera probe is waterproof, enabling use in wet environments such as pipes and drains.
- **Semi-Rigid Cable:** A 5-meter semi-rigid cable maintains its shape when bent, facilitating navigation through narrow or complex spaces.
- **Adjustable LED Lights:** Features 6 integrated LED lights to illuminate dark inspection areas, with adjustable brightness.

- **Portable Design:** Lightweight and easy to transport for on-the-go inspections.

4. SETUP GUIDE

4.1 Charging the Device

Before first use, ensure the endoscope's Wi-Fi module is fully charged. Connect the provided USB charging cable to the charging input on the Wi-Fi module and a suitable USB power source. The indicator lights will show charging status.

4.2 App Installation

1. Download the "WiFi Look" application from the App Store (for iOS devices) or Google Play Store (for Android devices).
2. Install the application on your smartphone or tablet.

4.3 Connecting to Your Device

The endoscope can connect wirelessly to smartphones/tablets or via cable to a PC.

- **For Smartphones/Tablets (Wi-Fi):**

- a. Power on the Wi-Fi module of the endoscope.
- b. On your smartphone/tablet, go to Wi-Fi settings and connect to the Wi-Fi network broadcast by the endoscope (usually named something like "WiFi Look_XXXX").
- c. Open the "WiFi Look" app. The camera feed should appear automatically.

- **For PC (Wired):**

- a. Connect the endoscope camera directly to your PC using the provided adapter cable.
- b. Install the necessary drivers or software (if prompted) for the endoscope to be recognized as a webcam.
- c. Open a compatible camera application on your PC to view the live feed.



Figure 1: The BEVA endoscope camera can connect to various devices including Mac/Windows computers, tablets, iOS, and Android smartphones.



Figure 2: Overview of the product structure, showing the magnet, hook, mirror accessories, and the WiFi module with its LED light, indicator lights, power button, camera input, and charging input.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press and hold the power button on the Wi-Fi module to turn the device on or off. The indicator lights will illuminate when the device is active.

5.2 Adjusting LED Brightness

The camera head features 6 adjustable LED lights. Use the control wheel or button on the Wi-Fi module (refer to Figure 2) to increase or decrease the brightness as needed for optimal visibility in dark areas.

Blue LED Technology

The camera equipped with 6 circled blue tempered light leds that can greatly reduce image over-exposure, exhibits outstanding color temperature when using in dark environment.



Figure 3: The camera is equipped with 6 blue tempered LED lights that reduce image over-exposure and provide excellent color temperature in dark environments.

5.3 Capturing Images and Videos

Within the "WiFi Look" application, you can capture still images (JPG) and record videos (AVI). Look for the camera and video icons within the app interface to perform these actions. Saved media can typically be found in your device's gallery or a dedicated app folder.

5.4 Optimal Focal Length

For the clearest images, the endoscope camera has a fixed focal length of 5-6 cm. Objects outside this range may appear blurry. Position the camera within this distance from the target for best results.

How to get a clean view



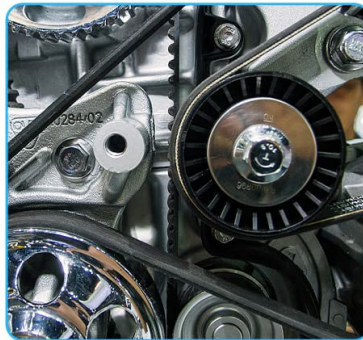
(5-6cm)



<5cm



5-6cm



>6cm



Figure 4: Illustration of optimal focal distance. Clear images are achieved when the object is 5-6 cm from the camera lens. Images will be blurry if the object is closer than 5 cm or further than 6 cm.

5.5 Using Accessories

The included magnet, hook, and mirror can be attached to the camera head to assist with various inspection tasks:

- **Magnet:** Retrieve small metallic objects from inaccessible areas.
- **Hook:** Pull or maneuver objects in tight spaces.
- **Mirror:** View objects at a 90-degree angle, useful for inspecting sides of pipes or behind obstacles.



Figure 5: Examples of common application scenarios for the BEVA endoscope, including automotive engine inspection, HVAC system checks, and plumbing inspections.



Figure 6: Comparison highlighting the BEVA endoscope's semi-rigid cable, which maintains its shape for easier maneuverability compared to softer cables from other brands.

6. MAINTENANCE

6.1 Cleaning the Camera Lens

After each use, especially in dirty or wet environments, gently clean the camera lens with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by immediate drying. Avoid abrasive materials or harsh chemicals.

6.2 Charging and Battery Care

Recharge the device when the battery is low. Avoid fully discharging the battery frequently to prolong its lifespan. Store the device with a partial charge if not used for extended periods.

6.3 Storage

Store the endoscope camera and its accessories in a cool, dry place, away from direct sunlight and extreme temperatures. Keep the cable neatly coiled to prevent kinks or damage.

7. TROUBLESHOOTING

If you encounter issues with your BEVA Wireless Endoscope Camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No image on screen / Cannot connect to Wi-Fi	Wi-Fi module not powered on; Incorrect Wi-Fi network selected; App not installed or corrupted; Low battery.	Ensure the Wi-Fi module is powered on. Connect to the correct Wi-Fi network (e.g., "WiFi Look_XXXX"). Reinstall the "WiFi Look" app. Charge the device.
Image is blurry or out of focus	Object is outside the optimal focal length; Camera lens is dirty.	Position the camera 5-6 cm from the object. Clean the camera lens.
LED lights are not working or dim	Brightness not adjusted; Low battery; Device malfunction.	Adjust the LED brightness control. Charge the device. If the issue persists, contact support.
Short battery life	Battery not fully charged; Aging battery.	Ensure the device is fully charged before use. Battery life is approximately 2 hours.

8. SPECIFICATIONS

Feature	Specification
Model Number	F99
Camera Resolution	2.0 Megapixel (HD720P)
Video Capture Resolution	720p
Adjustable Resolutions	640x480, 1280x720
Focal Length	5-6 cm (fixed)
Cable Length	5 meters
Cable Type	Semi-rigid
Waterproof Rating	IP67
Light Source	6 Adjustable LED lights
Power Source	Corded Electric (Internal Lithium Polymer Battery)
Battery Type	Lithium Ion
Battery Life	Approximately 2 hours
Weight	240 grams
Material	Plastic
Color	Black

Feature	Specification
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9. WARRANTY AND SUPPORT

BEVA is committed to providing excellent after-sales service. If you encounter any issues or have questions regarding your BEVA Wireless Endoscope Camera F99, please contact our customer support team. We offer 24-hour online service to assist you with troubleshooting and product inquiries.

For support, please refer to the contact information provided on the BEVA official website or your purchase documentation.