



S7

User Manual



I. Preface

1.1 User Notice

Before using the device, please be sure to carefully read the "User Manual," especially the sections on "Danger," "Caution," and "Instructions." The User Manual provides important information about device operation, maintenance, and care, helping you to use the device more effectively and extend its lifespan.

1.2 Important Notice

Please do not adjust or disassemble any components of the device on your own. Such actions may affect the safety, reliability, durability, and other performance aspects of the device. Additionally, this may result in the loss of your warranty rights.

The images, symbols, labels, etc., provided in this manual are for demonstration purposes only. The actual device may differ, so please refer to the physical product for specific details.

1.3 Prompt Information

To better understand the content of this manual and reduce the likelihood of device damage, you must familiarize yourself with the "Instructions," "Caution," and "Danger" notices in the manual and follow the instructions accordingly.

- **Instruction:** Refers to useful and detailed information provided to help you use the device more effectively.
- **Caution:** Indicates that failure to follow the caution notice may result in the malfunction of related device functions and, in severe cases, cause damage to the device.
- **Danger:** Indicates that failure to follow the instructions under this danger notice may directly cause damage to the device.

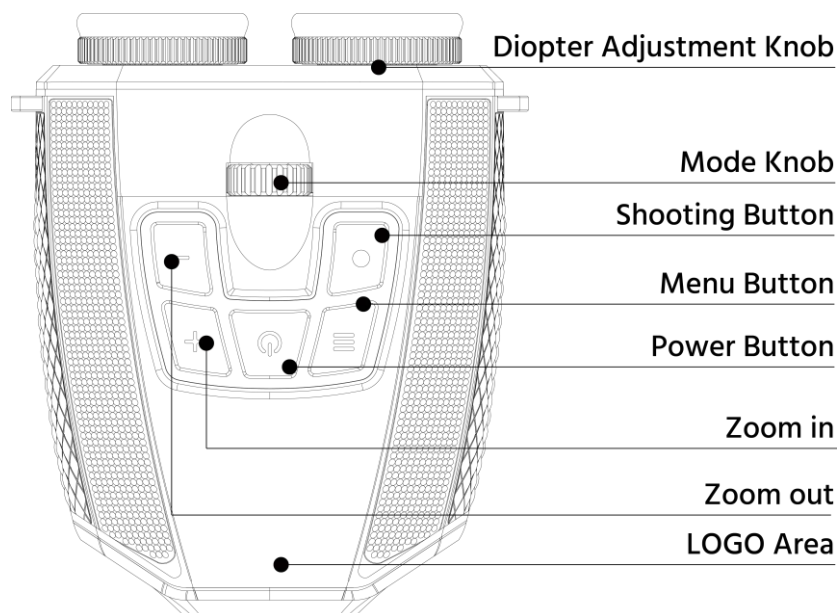
1.4 Change description

In order to comply with changes in national laws and regulations, adjustments in functions or services, and to protect user rights, the content of this manual may be revised to reflect the device's situation as accurately as possible.

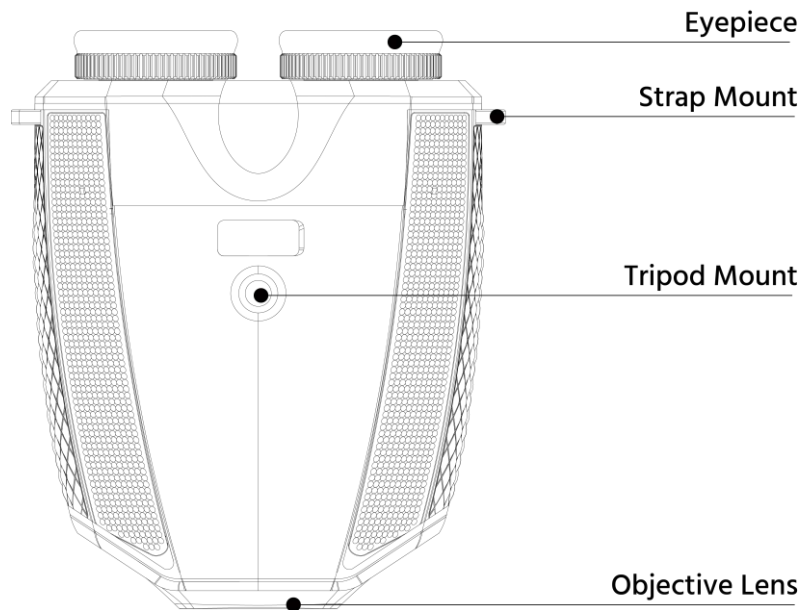
II. Product Introduction

2.1 Product Description

Front



Back



2.2 Technical Specifications

| | |
|----------------------------|------------------------------|
| Sensor | |
| Resolution | 2688x1520/2.9μm |
| Frame rate | 60Hz |
| Lens | |
| Objective lens | 40.8mm |
| Field of view | 2.9°~66.7° |
| Magnification | Optical 1~25× |
| Shortest focusing distance | 3m |
| Display | |
| Display type | 0.49" AMOLED, 2x, 1920×1080 |
| Exit pupil distance | 10mm |
| Interpupillary distance | 55-70mm |
| Diopter | -7~4+ |
| Features | |
| Scene modes | Day, Night |
| Video/image | Photo/Video |
| Video resolution | 2688×1520, 60Hz |
| Autofocus | Yes |
| Live-streaming feature | Yes |
| Image Stabilization | EIS |
| AI-based Recognition | Yes (bird 10M+, animal 19) |
| Memory capacity | 32GB |
| WIFI | 2.4G |
| Bluetooth | Yes |

| | |
|-----------------------------|-------------------|
| Interface | USB Type-C |
| GPS | Yes |
| Compass | Yes |
| Gyroscope | Yes |
| Tripod | Yes |
| Standby Mode | Yes |
| LRF | can be customized |
| Electronics | |
| Battery life | 6h |
| General | |
| Protection type | IP66 |
| Operating temperature range | -25°C~55°C |
| Length × width × height | 178x145x90mm |
| Weight | 900g |

III. Operating Guide

3.1 Button Functions

| Action | Method |
|---------------------------------|---|
| Power On/Off | Long-press Power Button (2 seconds) |
| Switch Viewing Mode | Rotate Mode Knob (clockwise/counter) |
| Adjust Diopter | Rotate Diopter Knob (clockwise/counter) |
| Mark Location | Short-press Menu Button (Main Screen) |
| Zoom In/Out | Press/Hold Zoom In/Out Button |
| Manually trigger autofocus | Half-press Shooting Button |
| Capture Photo /Start-Stop Video | Short-press Shooting Button |
| Switch Shooting Mode | Long-press Shooting Button (2 seconds) |
| Open Menu | Press Menu Button |
| Confirm/Return | Short-press Power Button (submenus) |
| Navigate Submenus | Short-press Zoom In/Out Buttons |
| Back/Return to Home | Short-press Power Button |
| Playback Controls | Use Menu/ Zoom In/Out Buttons |
| Delete Files | Short-press Shooting Button (playback) |

3.2 Status Indicator

| Action | Method |
|--------------|-----------------------------------|
| Not charging | The status indicator light is off |

| | |
|------------------|--|
| Charging | The status indicator light is solid red |
| Fully charged | The status indicator light is solid green |
| Smart screen off | The status indicator light is solid yellow |

3.3 Key Functions

3.3.1 Charging the device:

1. Plug the charger into a power outlet.
2. Use the data cable to connect the charger to the device.

Instruction:

- Charging time may vary depending on temperature and battery usage.
- When the device operates for a long period or in a high-temperature environment, slight heating may occur, which is normal.
- Try not to use the device while charging, as this may reduce the battery's lifespan.

Caution:

- Please use a charger with an input of 100-240V~50/60Hz, an output of 15V, 1A, and a maximum power of 15W. The charger should have built-in overcharge protection, overcurrent protection, overvoltage protection, temperature protection, short circuit protection, and electrostatic protection, and it should comply with local safety certification standards. Use the original data cable to charge the device.
- Failure to follow these recommendations may result in device restart, slow charging, charger overheating, or other abnormal conditions.
- Do not cover the device or charger while charging.

3.3.2 Power On/Off

1. To turn on the device, press and hold the power button for 2 seconds while the device is off, until the power-on prompt appears.

Instruction:

- If the power button is pressed and held for 2 seconds but the device does not respond, it means the battery is completely drained. Please charge the device for 30 minutes before turning it on.
2. To turn off the device, press and hold the power button for 2 seconds while the device is on, until the shutdown prompt appears.

3.3.3 Setting Viewing Mode

You can switch between different viewing modes by rotating the mode knob.

1. **Animal Mode:** AI capabilities for precise animal recognition. Place the entire body of the animal to be recognized within the identification frame, briefly press the power button to trigger recognition, and the results will be displayed on the screen.
2. **Bird Mode:** AI capabilities for precise bird recognition. Place the entire body of the bird to be recognized within the identification frame, briefly press the power button to trigger recognition, and the results will be displayed on the screen.
3. **Free Mode:** An immersive viewing experience with no AI intervention.

3.3.4 Setting Shooting Mode

You can switch between different shooting modes by long-pressing the shooting button.

1. **Photo Mode:** Generates an image file after taking a photo.
2. **Video Mode:** Generates a video file after shooting.

3.3.5 Recording Wonderful Moments

You can press and hold the shooting button halfway + short press to automatically focus and shoot, recording those wonderful moments.

Instruction:

- When the shooting mode is set to Photo, a press will capture an image.

- When the shooting mode is set to Video, a press starts/stops video recording.

3.3.6 Add Device in the APP

1. Ensure the device is powered on and Bluetooth is enabled on the phone.
2. Log in to the S7 APP and click "Connect to S7" on the Add Device page.
Wait for the device to be detected.
3. Once the device is found, click "Pair" to pair the device.
4. After pairing, name the device.
5. The device is successfully added.

3.3.7 Geographic Location Tagging

When you find a location of interest, you can short press the menu button to mark the location.

Instruction:

Once the device is connected to the phone, you can use the S7 APP to browse these marked locations.

3.3.8 Energy-Saving Mode Settings

Go to the System Menu > Energy-saving mode to set different energy-saving modes.

1. **Smart Screen Off:** The screen turns on when you're watching; it turns off when you're not.
2. **Timed Screen Off:** The screen turns on when you're watching; it turns off after the set time interval when you're not watching.
3. **Never Turn Off Screen:** The screen will never turn off.

3.3.9 Screen Brightness Adjustment

Go to the System Menu > Screen Brightness to set different brightness levels.

1. **L1:** 20% screen brightness

2. **L2**: 40% screen brightness
3. **L3**: 60% screen brightness
4. **L4**: 80% screen brightness
5. **L5**: 100% screen brightness

3.3.10 System Language Settings

Go to the System Menu > Language and select the language you want to use.

3.3.11 Time Format Settings

Go to the System Menu > Time Format to set the following time formats.

1. **12-Hour**: Time displayed in 12-hour format (e.g., 09:00 AM).
2. **24-Hour**: Time displayed in 24-hour format (e.g., 23:00).

3.3.12 Date Format Settings

Go to the System Menu > Date Format to set the following date formats.

1. **MM-DD-YYYY**: Date displayed in month/day/year format (e.g., 12/31/2020).
2. **DD-MM-YYYY**: Date displayed in day/month/year format (e.g., 31/12/2020).
3. **YYYY-MM-DD**: Date displayed in year/month/day format (e.g., 2020/12/31).

3.3.13 Storage Formatting

Format the device's internal storage.

Go to the System Menu > Storage Formatting and follow the on-screen instructions to format.

Instruction:

- Before formatting, please back up important data to prevent data loss.

3.3.14 Factory Reset

Delete all data in the device's internal storage, including settings, photos, videos, and other data or files. All settings will return to default.

Go to the System Menu > Factory Reset and follow the on-screen instructions to reset.

Instruction:

- Please back up important data before performing a factory reset to avoid data loss.
- The device will automatically restart after the reset.

3.3.15 Device System Update

Install a new version of the device's system software.

1. Go to the System Menu > Firmware Upgrade.
2. Transfer the software upgrade package to the device via PC or the APP.
3. The device will detect the upgrade package and perform a verification.
4. After verification, the system software will be updated.

Instruction:

- Please back up data before upgrading.
- The battery must be over 40% before upgrading. If the battery is insufficient, plug in the charger beforehand.
- Before upgrading, ensure that the device does not have a non-official version installed, as there is a risk of upgrade failure and potential issues.
- During the upgrade, do not manually turn off, restart, unplug the storage card (if supported), or disconnect the power.
- After the upgrade, the device will automatically restart.

IV Maintenance and Care

To extend the life of the device, keep it clean and dry. When cleaning the product, please follow these steps and recommendations:

4.1 Lens Cleaning

1. Use a blower tool to gently blow off any dust from the lens surface.
2. Apply a small amount of lens cleaning solution onto a lens cleaning cloth (not directly on the lens surface), then gently wipe the lens in a circular motion to remove stains.
3. Use a dry lens cleaning cloth to gently absorb any moisture from the lens surface and check for any remaining stains. If stains remain, repeat the above steps until the lens is clean.

Instruction:

- Use professional lens cleaning solution and lens cleaning cloth to clean the lens.

Caution:

- Do not use alcohol to clean the lens, as it may damage the lens coating.
- Do not touch or wipe the lens directly with your hands, as this may leave fingerprints or stains, affecting the viewing experience.

4.2 Body Cleaning

1. Use a cotton swab or small brush to clean the dust from gaps and ports.
2. Use a microfiber cloth dampened with clean water to gently wipe the surface of the body to remove stains.
3. Use a dry microfiber cloth to gently absorb any moisture from the surface of the body and check for any remaining stains. If stains remain, repeat the above steps until the body is clean.

Instruction:

- Before cleaning, make sure to disconnect the device from the charger.

Caution:

- Do not use chemical products to clean the device, as they may corrode the device.
- Do not clean with excessive force, as this may cause scratches or damage the device.

Danger:

- Do not submerge or rinse the device, as this may cause water ingress and lead to device malfunctions.

V Appendix

5.1 Safety Instructions

- Do not use the device to directly observe the sun or other strong light sources to avoid permanent eye damage.
- Before using the device, check if the surrounding environment is safe and avoid observing in areas with safety hazards or in harsh weather conditions.
- Do not apply excessive force or rotate the device parts too much to avoid damaging the device or affecting the observation results.
- Use the device within the temperature range of XX°C to XX°C, and store the device and its accessories within the temperature range of XX°C to XX°C. Extreme temperatures may cause device malfunctions.
- After charging is complete or when not charging, disconnect the charger from the device and unplug it from the power socket.
- The device uses a non-removable built-in battery. Do not attempt to replace the battery yourself, as this may cause the device to malfunction or damage the battery.
- Do not throw the battery into fire, disassemble, drop, crush, or modify the battery. Avoid inserting foreign objects, puncturing the battery, or submerging the battery in water or other liquids. Prevent the battery from external shocks or pressure to avoid leakage, overheating, fire, or explosion.
- Dispose of the device, battery, and other accessories according to local regulations. Do not treat them as household waste. Improper disposal of the battery may lead to an explosion.

- Using unapproved or incompatible power sources, chargers, or batteries may cause fire, explosion, or other dangers.
- Upgrading the device's firmware and system with unauthorized third-party software may lead to device malfunction or leakage of personal information, posing security risks.
- To prevent data loss, it is recommended to back up your data regularly, especially before device upgrades or repairs.