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SVBONY SV13, SC002

SVBONY SV13 HD Spotting Scope with SC002 WiFi Camera User Manual

Model: SV13 Spotting Scope, SC002 WiFi Camera

1. Product Overview

The SVBONY SV13 HD Spotting Scope combined with the SC002 WiFi Camera offers a versatile solution for observation and digiscoping. This manual provides instructions for the proper setup, operation, and maintenance of your device.



The SVBONY SV13 HD Spotting Scope with the SC002 WiFi Camera attached, mounted on a compact tripod.

2. Package Contents

Verify that all items are present in your package:

- 1 x SV13 Spotting Scope
- 1 x SC002 Wireless Camera
- 1 x Tripod
- 1 x 32GB TF Card
- 1 x Type-C Charging Data Cable
- 1 x Dust Cover
- 1 x Cleaning Cloth
- 1 x Instruction Manual



An overview of the package contents, including the SC002 WiFi Camera, Type-C Data Cable, User Manual, SV13 Spotting Scope, and Tripod.

3. Setup Instructions

3.1 Assembling the Spotting Scope and Tripod

1. Unfold the included tripod and place it on a stable, level surface.

2. Locate the 1/4-20 interface on the bottom of the SV13 spotting scope.
3. Securely attach the spotting scope to the tripod using the tripod's mounting screw.



A close-up view of the 1/4-20 threaded interface on the spotting scope, used for mounting on a tripod or other compatible accessories.

3.2 Attaching the SC002 WiFi Camera

1. Ensure the SC002 WiFi Camera is charged using the provided Type-C cable.
2. Remove the eyepiece cap from the SV13 spotting scope.
3. Align the SC002 WiFi Camera with the spotting scope's eyepiece.
4. Use the 37mm-56mm knob adjustment on the camera to securely attach it to the eyepiece.



A four-step visual guide demonstrating how to attach the SC002 WiFi camera to the spotting scope eyepiece using the 37mm-56mm knob adjustment, ensuring compatibility with multiple eyepieces.

3.3 Charging the SC002 WiFi Camera

Connect the SC002 WiFi Camera to a power source using the included Type-C charging data cable. The 1500mAh Li-ion battery provides approximately 2 hours of continuous shooting or 3.5 hours of standby time.

Information about the SC002 WiFi camera's 1500mAh Li-ion battery, providing 2 hours of continuous shooting and 3.5 hours of standby time, with Type-C charging.

4. Operating Instructions

4.1 Using the SV13 Spotting Scope

- **Adjusting Magnification:** Rotate the 20x-60x zoom ring to change the magnification level.
- **Focusing:** Use the focus knob to achieve a clear image.

- **Eyecup Adjustment:** Twist up the eyecup for comfortable viewing, especially for users with or without glasses.
- **Sunshade:** Extend the sunshade to reduce glare and protect the objective lens.
- **Rotation Ring:** Rotate the scope body using the rotation ring to adjust the viewing angle without moving the tripod.



An exploded view diagram identifying key components of the SV13 spotting scope: 80mm Objective, 20x-60x zoom ring, Twist-up eyecup, Sunshade, Rotation Ring, and 1/4-20 interface for tripod mounting.



This image illustrates the variable 20X-60X magnification capability of the SV13 spotting scope, showing how the view changes from 20x to 40x to 60x.



This image demonstrates the benefit of adjustable eyecups, showing a blurred image 'Before' adjustment and a clear image 'After' adjustment, accommodating users with or without glasses.

4.2 Operating the SC002 WiFi Camera

1. **Power On:** Press and hold the power button on the SC002 camera to turn it on.
2. **Connect to App:** Download the 'SvbonyCam' APP on your Android, iOS, or HarmonyOS device. Connect to the camera's built-in 2.4GHz WiFi hotspot (150Mbps) within a 10m range. No external network is required.
3. **Live View:** The app provides a real-time live view from the camera, allowing for framing adjustments.
4. **Shooting Modes:** The camera supports three modes: recording video, taking photos, and previewing captured media.
5. **Photo Ratios & Digital Zoom:** Select from 1:1, 4:3, or 16:9 photo ratios. Utilize the 3x digital zoom (Full/1x/2x/3x) for precise image capture.
6. **Video Recording:** Capture 1080P videos at 25-30fps.
7. **Scheduled Shooting:** Set scheduled shooting intervals (3s/5s/10s) via the app.
8. **Storage:** The camera includes a 32GB TF card and supports expansion up to 128GB.
9. **Simultaneous Viewing:** Connect up to two mobile devices to view the live feed simultaneously. Note that the second device can only view and cannot control photo capture.



The SC002 WiFi camera is depicted alongside mobile phone interfaces, illustrating the availability of three photo ratios (1:1, 4:3, 16:9) and three shooting modes (recording, photo-taking, previewing).

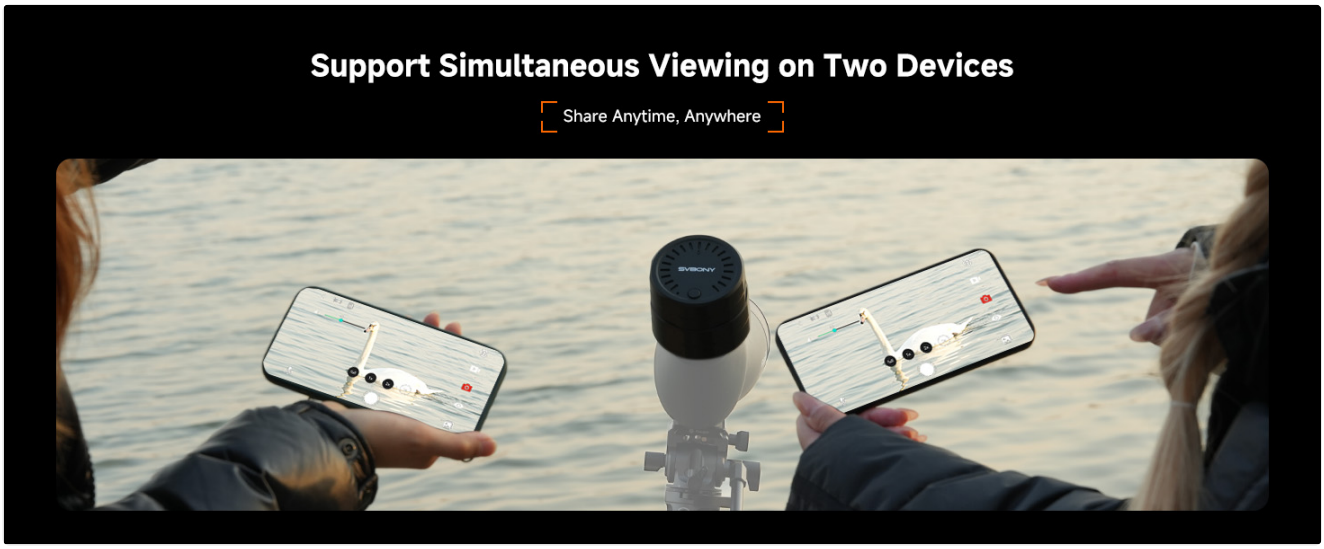


Screenshots from the SvbonyCam app illustrating the four digital zoom effects (full, 1x, 2x, 3x) available with the SC002 WiFi camera for capturing more precise images.

A visual comparison showing the difference between standard and 2MP HD pixel quality captured by the SC002 WiFi camera, highlighting its ability to produce clear, high-quality images.



An image depicting the SC002 WiFi camera recording a bird, emphasizing its 1080P video recording capability to clearly capture details.



This image illustrates the SC002 WiFi camera's ability to support simultaneous viewing on two mobile devices, allowing users to share the live feed anytime, anywhere.



The SC002 WiFi camera is shown wirelessly connected to a mobile phone, demonstrating its high-speed WiFi transfer capability without requiring an external network.



A diagram illustrating the 10-meter extended WiFi transmission range of the SC002 WiFi camera, enabling comfortable and casual viewing from a distance.

5. Maintenance

- **Cleaning Lenses:** Use the provided cleaning cloth or a soft, lint-free cloth to gently wipe the lenses. Avoid using abrasive materials or excessive force.
- **Body Cleaning:** Wipe the body of the spotting scope and camera with a soft, damp cloth.
- **Storage:** When not in use, store the device in a dry, cool place, away from direct sunlight and extreme temperatures. Use the dust covers for protection.
- **Waterproof/Fog-proof:** The SV13 spotting scope is designed to be waterproof and fog-proof (IPX7 rated), allowing use in wet conditions. However, avoid submerging the device.



The SVBONY SV13 spotting scope is shown with water droplets, demonstrating its waterproof and fog-proof construction for reliable performance in various weather conditions.



The SVBONY SV13 spotting scope is shown covered in water droplets, illustrating its IPX7 waterproof rating and anti-fog properties, making it suitable for wet conditions.

6. Troubleshooting

- **No Image/Blurred Image:**
  - Ensure lens caps are removed.
  - Adjust the focus knob until the image is clear.
  - Adjust the eyecup for optimal viewing.
  - Check the magnification setting.
- **WiFi Connection Issues:**
  - Ensure the SC002 camera is powered on.
  - Verify your mobile device's WiFi is enabled and connected to the camera's hotspot.
  - Ensure you are within the 10m WiFi range.
  - Restart both the camera and your mobile device.
- **Camera Not Recording/Taking Photos:**
  - Check if the 32GB TF card is properly inserted.
  - Ensure there is sufficient storage space on the TF card.
  - Verify the camera battery has adequate charge.

7. Specifications

7.1 SV13 Spotting Scope

Magnification	20-60x
Objective Lens Diameter	80mm
Prism Type	BAK4 Porro Prism
Lens Coating	Fully Multi-Coated (FMC)
Waterproof Rating	IPX7
Fog-proof	Yes
Color	Black



A visual representation emphasizing the 80mm large objective lens of the SV13 spotting scope, which contributes to brighter and clearer images.



This image compares the visual clarity achieved with FMC lenses and a silver-coated Porro prism against other optical designs, demonstrating improved image quality even in low light conditions.

7.2 SC002 WiFi Camera

Resolution	2 Megapixels (HD)
Video Encoding	H.264
Video Frame Rate	25-30fps
Digital Zoom	3x (Full/1x/2x/3x)
Connectivity	2.4GHz WiFi (150Mbps)
Wireless Range	Up to 10m
Battery	1500mAh Li-ion
Continuous Recording	3+ hours
Storage	32GB TF card included, expandable up to 128GB

App Support	Android/iOS/HarmonyOS (SvbonyCam APP)



The SC002 WiFi camera is shown with its TF card slot, indicating it includes a 32GB TF card and is expandable up to 128GB for storage.

8. Warranty Information

SVBONY provides a lifetime warranty for defects in materials and workmanship for its spotting scopes, monoculars, and binoculars. SVBONY is responsible for repair; however, the customer shall be responsible for all costs of transportation related to warranty service.

9. Support

For further assistance or inquiries, please visit the official SVBONY store or contact customer support through the platform where the product was purchased.

SVBONY Store: https://www.amazon.com/stores/SVBONY/page/6A2EE2B8-4485-4E48-815B-5E17F573EEF2

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