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› Gosky Spotting Scope 20-60x80 User Manual

Gosky SP-DUAL206080HD

Gosky Spotting Scope 20-60x80 User Manual

Model: SP-DUAL206080HD

INTRODUCTION

Thank you for choosing the Gosky 20-60x80 Spotting Scope. This high-performance optical instrument is designed for advanced users seeking clear, magnified views for activities such as birdwatching, nature observation, target shooting, and moon viewing. Featuring an upgraded wide-angle eyepiece, flexible zoom, dual focus system, and a robust waterproof design, your spotting scope is built to deliver exceptional performance in various outdoor conditions. This manual will guide you through the proper setup, operation, maintenance, and troubleshooting to ensure you get the most out of your device.

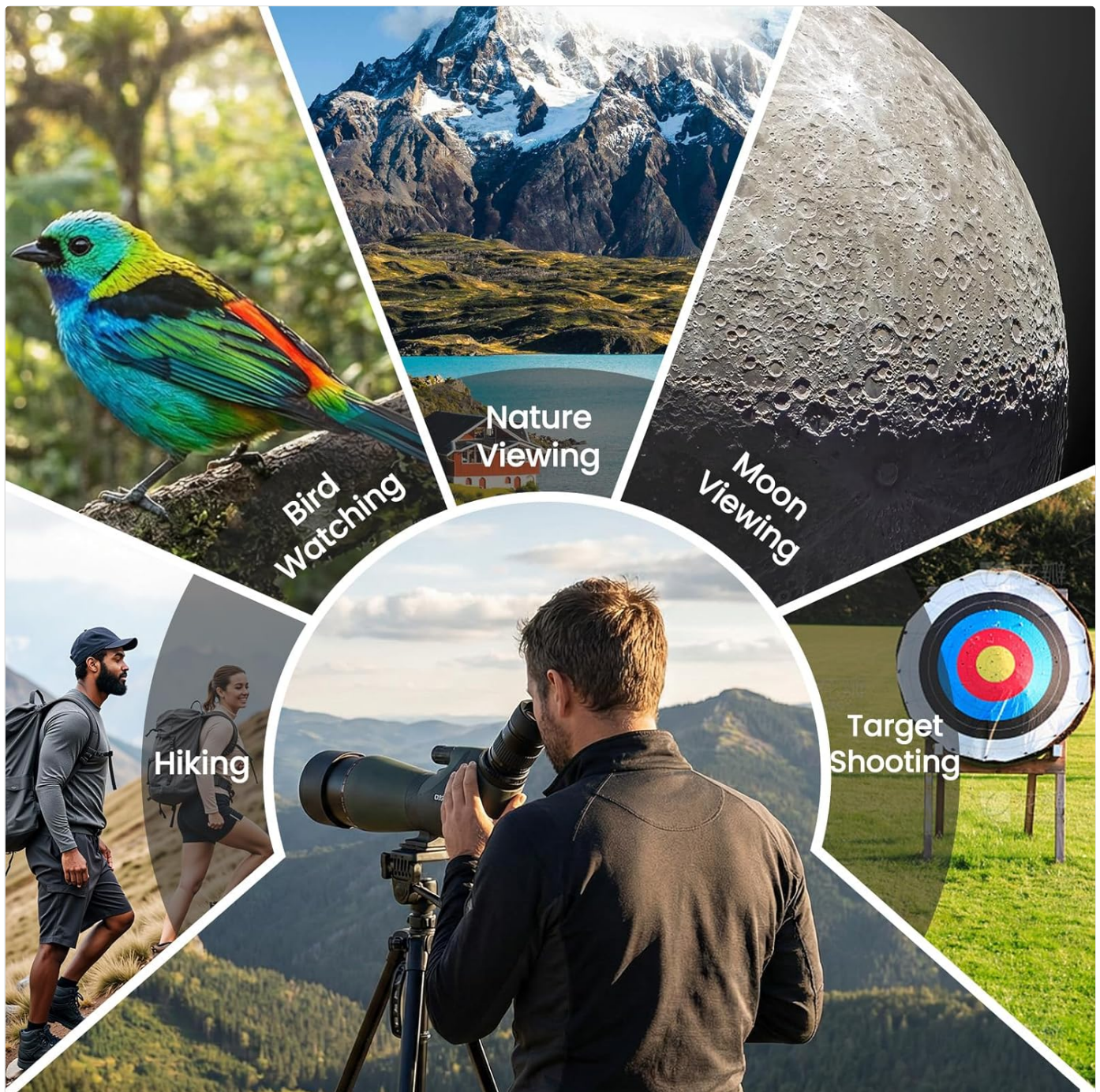


Image: The Gosky Spotting Scope is versatile for various outdoor activities including birdwatching, nature viewing, moon observation, hiking, and target shooting.

PRODUCT OVERVIEW

Key Features:

- **Upgraded Ultra-Comfortable Wide-Angle View:** Features a 55mm extra-large eyepiece and HD high-definition lenses for a wider, clearer field of view and reduced eye fatigue.
- **20-60x Flexible Zoom:** Seamlessly switch between 20x and 60x magnification to observe distant details.
- **Dual Focus System:** Coaxial dual-speed focusing wheel for smooth and precise adjustments, ensuring sharp images even at high magnification.
- **All-Weather IPX7 Waterproof and Fog-Proof Design:** Sealed argon-purged design with slip-resistant rubber armor for reliable performance in rain and humid conditions, offering shock and drop resistance.
- **Convenient Recording and Portability:** Includes a phone adapter and touch-free shutter remote for capturing photos and videos, along with a carrying case and cleaning accessories.

Optical Components:

- **Objective Lens:** The large 80mm objective lens gathers ample light for bright images.
- **Eyepiece:** The 55mm wide-angle eyepiece provides a comfortable viewing experience.
- **Focus Knob:** Used for fine-tuning image clarity.
- **Zoom Ring:** Adjusts the magnification level from 20x to 60x.
- **BAK4 Prism:** High-quality prism system for bright, clear, and sharp images with excellent color fidelity.
- **Fully Multi-Coated Optics:** Enhances light transmission for brighter and clearer views.



Image: An illustration detailing the internal optical path of the Gosky spotting scope, showing how light travels through the objective lens, prism system, and eyepiece.

SETUP

1. Attaching to a Tripod:

1. Unpack the spotting scope and the included mini-tripod from the carrying case.
2. Locate the tripod mounting screw on the top of the mini-tripod.
3. Align the tripod mounting hole on the bottom of the spotting scope with the screw on the tripod.
4. Securely fasten the scope to the tripod by turning the screw clockwise until tight. Ensure the scope is stable.

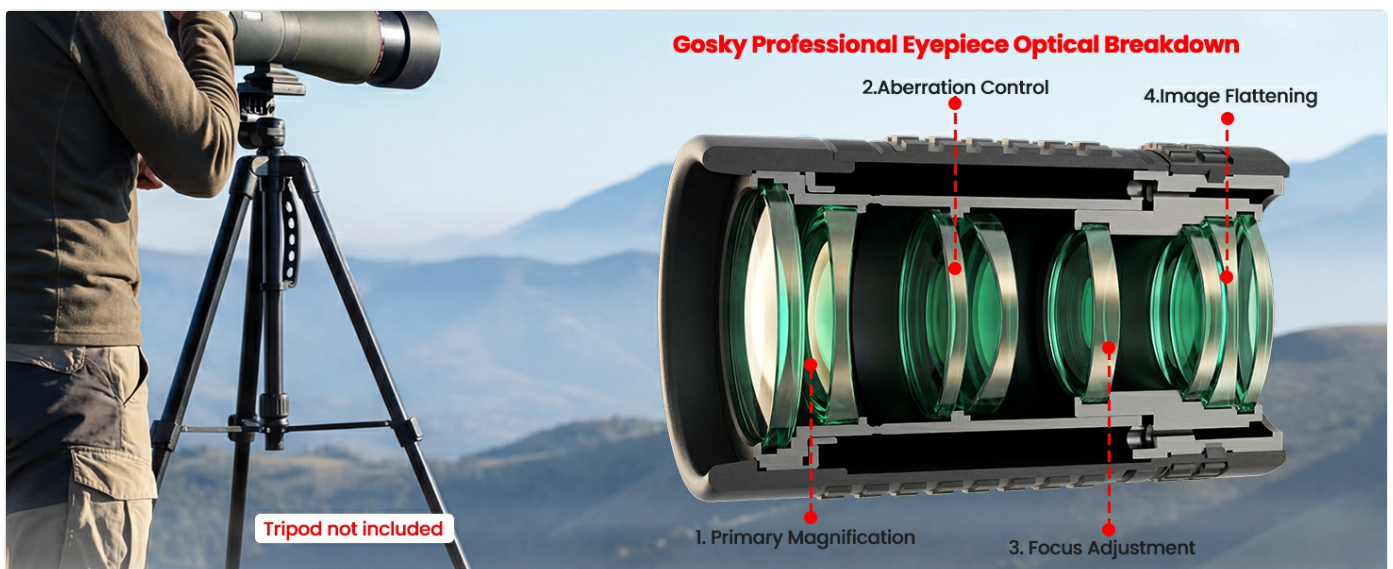


Image: The Gosky spotting scope is shown securely mounted on a tripod, ready for observation. A person is looking through the eyepiece

at a distant landscape.

2. Attaching the Phone Adapter:

1. Attach your smartphone to the phone adapter, ensuring it is securely clamped.
2. Align your phone's camera lens with the adapter's opening.
3. Carefully slide the phone adapter over the eyepiece of the spotting scope.
4. Tighten the adapter's screw to secure it to the eyepiece, making sure not to overtighten.



Image: A smartphone is shown attached to the eyepiece of the Gosky spotting scope using the included phone adapter, enabling digiscoping.

OPERATING INSTRUCTIONS

1. Adjusting Magnification:

- Rotate the zoom ring on the eyepiece to adjust the magnification from 20x to 60x.
- Start with lower magnification (20x) to locate your subject, then gradually increase to higher magnification for detailed viewing.

20X-60X OPTICAL ZOOM



Image: The Gosky spotting scope's 20-60x optical zoom is demonstrated with a hummingbird, showing increasing detail at 20x, 40x, and 60x magnification.

2. Focusing:

- Use the coarse focus knob (larger knob) for initial, rapid focusing.
- Use the fine focus knob (smaller knob, typically coaxial with the coarse focus) for precise, sharp adjustments, especially at higher magnifications.

DUAL FOCUSING SYSTEM

More Precise Focusing

Especially Suitable for High Magnification



Image: The dual focusing system of the Gosky spotting scope is highlighted, showing a sharp, in-focus bird image achieved with dual focusing compared to a blurry image without it.

3. Using the Retractable Sunshade:

- Extend the sunshade by gently pulling it forward from the objective lens housing. This helps reduce glare and protect the lens from rain or dust.
- Retract the sunshade by pushing it back when not needed or for storage.

4. Using the Phone Adapter and Shutter Remote:

- Once the phone adapter is securely attached and aligned, open your smartphone's camera app.
- Adjust the phone's position within the adapter until the circular view from the scope fills your screen. You may need to use your phone's digital zoom to eliminate vignetting.
- Use the included touch-free shutter remote to capture photos or start/stop video recording without touching your phone, minimizing camera shake.

MAINTENANCE

1. Cleaning Lenses:

- Use the included cleaning pen or air blower to remove any loose dust or debris from the lens surfaces.
- Gently wipe the lenses with the provided lens cleaning tissue or a soft, lint-free microfiber cloth. Avoid using abrasive materials or harsh chemicals.
- For stubborn smudges, apply a small amount of lens cleaning fluid to the cloth, not directly to the lens.

2. Waterproof and Fog-Proof Care:

- The IPX7 waterproof rating means the scope can withstand immersion in water up to 1 meter for 30 minutes. However, avoid unnecessary submersion.
- The argon-purged design prevents internal fogging. If external condensation occurs, simply wipe it away with a soft cloth.
- Always ensure all caps and covers are securely in place when not in use to maintain its sealed integrity.



Image: The Gosky spotting scope is depicted in challenging weather conditions, emphasizing its IPX7 professional waterproof, fog-proof, and anti-fog technologies.

3. Storage:

- Store the spotting scope in its included carrying case when not in use to protect it from dust, moisture, and impacts.
- Keep the scope in a cool, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Image is blurry or out of focus.	Incorrect focus adjustment.	Adjust the coarse and fine focus knobs until the image is sharp.
Dark edges or vignetting when using phone adapter.	Phone camera not perfectly aligned with eyepiece; phone's field of view is narrower than scope's.	Adjust phone position on adapter. Use your phone's digital zoom to fill the screen with the scope's view.
Image appears dim or unclear.	Dirty lenses; low light conditions.	Clean lenses as per maintenance instructions. Ensure adequate ambient light for optimal viewing.
Internal fogging.	Seal compromised (unlikely with argon purge); rapid temperature change (external).	Ensure all caps are sealed. Allow scope to acclimate to temperature changes. If internal fogging persists, contact support.

SPECIFICATIONS

Feature	Specification
Model Name	SP-DUAL206080HD
Magnification	20-60x
Objective Lens Diameter	80 mm
Eyepiece Lens Description	Wide-field (55mm)
Prism Type	BAK4
Focus Type	Dual Manual Focus
Waterproof Rating	IPX7
Fogproof	Yes (Argon-purged)
Material	Plastic (with rubber armor)
Color	Green
Item Weight	5.8 Pounds (approx. 2.63 kg)
Dimensions (L x W x H)	18.5 x 9 x 7 inches (Package)
Compatible Devices	Smartphone

WARRANTY AND SUPPORT

The Gosky Spotting Scope 20-60x80 comes with a **1-Year Manufacturer Warranty**. For any warranty claims, technical support, or inquiries, please contact Gosky customer service directly. Refer to the contact information provided with your product packaging or

visit the official Gosky website for assistance.

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