

## Carson IS-200

# Carson HookUpz 2.0 Universal Smartphone Optics Digiscoping Adapter (IS-200)

Instruction Manual

## INTRODUCTION

The Carson HookUpz 2.0 Universal Smartphone Optics Digiscoping Adapter (IS-200) is designed to connect your smartphone to a variety of optical devices. This adapter allows you to capture images and videos through the eyepiece of your binoculars, spotting scopes, telescopes, microscopes, and monoculars. Its design ensures a secure connection between your smartphone and optic, facilitating digital recording and sharing of observations.

## SETUP

### 1. Attaching Your Smartphone

1. Ensure your smartphone, with its case, fits within the adapter's width range (up to 3.75 inches wide).
2. Place your smartphone into the adapter's phone clamp. The clamp features a self-centering, dual-spring mechanism for a secure grip.
3. Adjust the horizontal alignment using the variable pitch screw to position your phone's camera lens directly over the adapter's optical opening. This is crucial for optimal viewing, especially for phones with corner or center cameras.

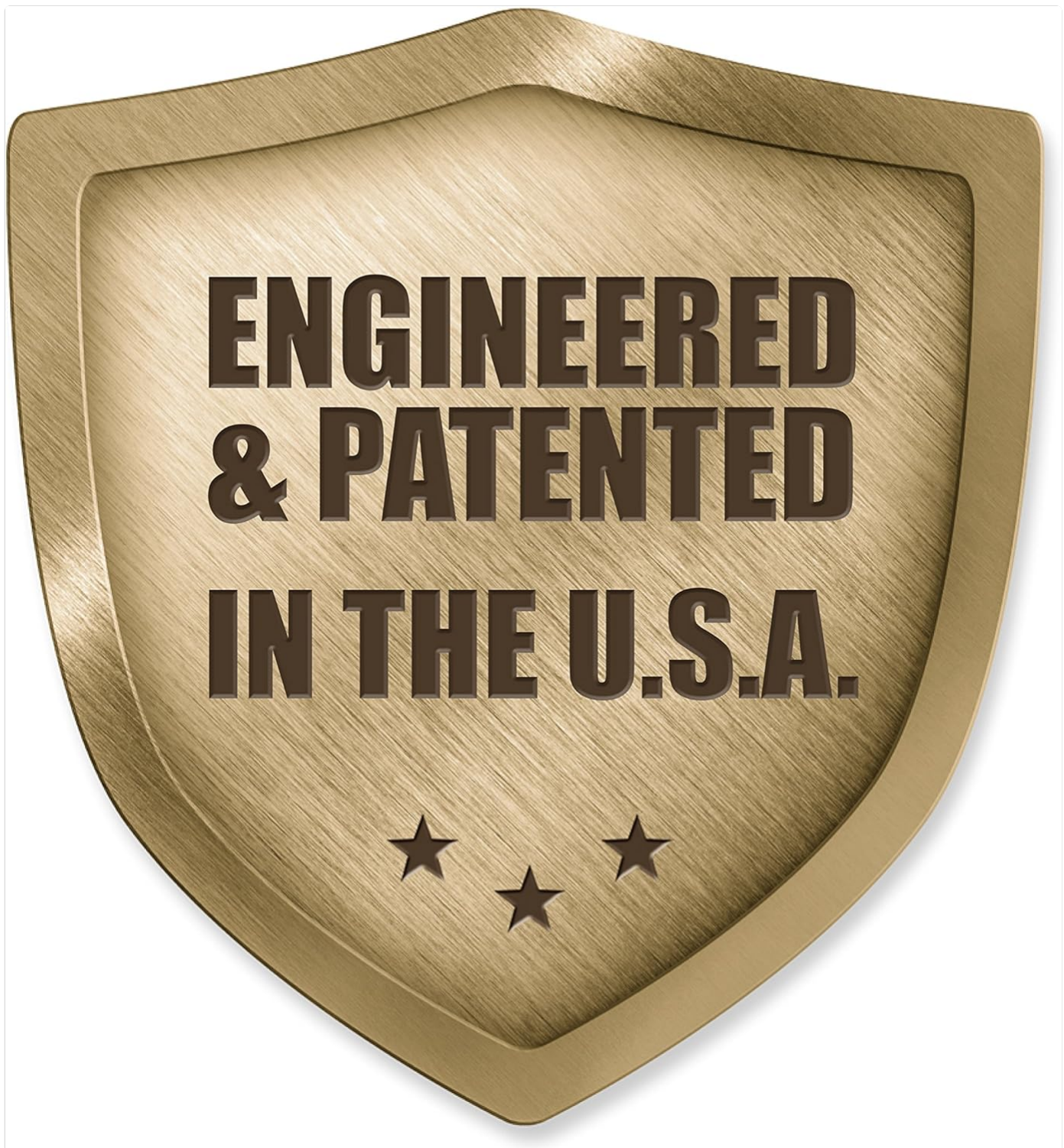


Figure 1: Smartphone securely attached to the HookUpz 2.0 adapter, with the camera lens aligned.

## **2. Attaching the Adapter to Optics**

1. The adapter is compatible with most optics, including binoculars, spotting scopes, telescopes, microscopes, and monoculars. The compatible eyepiece diameters must range between 25mm and 58mm.
2. Slide the adapter's optic cam-lock over the eyepiece of your chosen optical device.
3. Tighten the optic cam-lock to ensure a firm and stable connection. This prevents sagging and slippage during use.



Figure 2: Adapter and smartphone mounted on binoculars, ready for digiscoping.





Figure 3: Adapter and smartphone mounted on a spotting scope.



Figure 4: Adapter and smartphone mounted on a microscope.

### Compatibility Details

- **Smartphone Width:** Up to 3.75 inches wide (with case).
- **Eyepiece Diameter:** 25mm to 58mm.
- **Dual Camera Phones:** Compatible.
- **Incompatible Optics:** Not compatible with tablets or riflescopes. Avoid optics with large tapers ( $>5^\circ$ ), irregular shapes, or T-shaped eyepieces.





Figure 5: Compatible eyepiece diameter range.



Figure 6: Maximum smartphone width for adapter compatibility.





Figure 7: Examples of incompatible optics.

## Setup Video

Video 1: Demonstration of attaching a smartphone to a telescope using a magnetic adapter. This video shows the general principle of attaching a phone to an optic, similar to the HookUpz 2.0.



## OPERATING THE ADAPTER

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1. Once your smartphone and adapter are securely attached to your optical device, open your smartphone's camera application.
2. You should see a circular view of the optic's field of view on your phone screen.
3. Use the fine-tune adjustment screws on the adapter to precisely center the image from the optic on your phone's screen.
4. For a full-screen view, utilize your smartphone camera's digital zoom feature. This will crop out the black circular edges, filling the screen with the magnified image.
5. Adjust the focus of your optical device as needed to achieve a clear image on your smartphone screen.
6. For dual-camera phones, ensure the primary camera lens is aligned with the adapter's opening. Some users have reported better results in video mode for certain dual-camera phone models.

## Operation Video

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Video 2: Official product video demonstrating the Carson HookUpz 2.0 adapter in use with various optics, showcasing its operation and ease of capturing images and videos.

## MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to wipe down the adapter. Avoid abrasive cleaners or solvents that could damage the plastic or rubber components.
- **Storage:** Store the adapter in its included hard foam carrying case when not in use to protect it from dust, dirt, and physical damage.
- **Inspection:** Periodically check all screws and clamps to ensure they are tight and functioning correctly.



Figure 8: Adapter stored in its protective carrying case.

## TROUBLESHOOTING

- **Image Not Centered:** Use the horizontal alignment screw on the adapter to fine-tune the position of your phone's camera lens relative to the optic's eyepiece.
- **Image Not Clear/Focused:** Ensure the eyepiece of your optical device is properly focused. Then, use your smartphone's camera app to adjust focus if available, or use the digital zoom to fill the screen and reduce vignetting.
- **Adapter Slipping:** Make sure the optic cam-lock is tightened securely onto the eyepiece. The dual-spring clamp should provide a strong grip.
- **Dual Camera Phone Issues (e.g., iPhone X):** Some dual-camera phones, particularly those with vertically aligned cameras, may require specific adjustments. Try using the camera in video mode for more stability, and slightly shift the phone so the adapter's cutout aligns with the 1x camera while partially covering the second camera to prevent screen blackouts.

## SPECIFICATIONS

Product Dimensions	4.3 x 2.3 x 4.5 inches
Item Weight	4.8 ounces
Item Model Number	IS-200
Brand	Carson
Compatible Eyepiece Diameter	25mm - 58mm
Compatible Smartphone Width	Up to 3.75 inches
Manufacturer	Carson Optical, Inc

## WHAT'S IN THE BOX

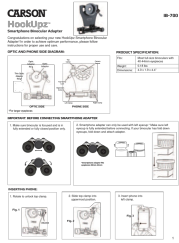


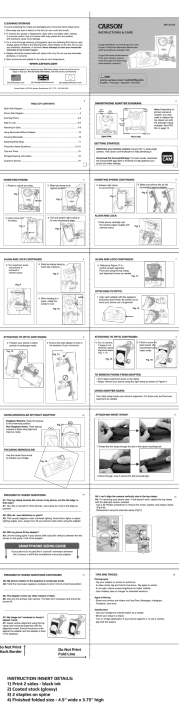
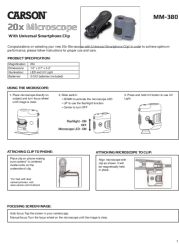

- Carson Optical HookUpz 2.0 Digiscope Optics Adapter

## WARRANTY AND SUPPORT

For warranty information, technical support, or additional product inquiries, please refer to the official Carson website or contact Carson Optical, Inc. customer service directly. Product registration may be available for extended warranty benefits.

## Related Documents - IS-200



	<p><a href="#">Carson HookUpz™ IB-700 Smartphone Binocular Adapter User Manual</a></p> <p>User guide for the Carson HookUpz™ IB-700 Smartphone Binocular Adapter. Learn how to attach your smartphone to binoculars for photography and videography, with setup instructions, troubleshooting tips, and FAQs.</p>
	<p><a href="#">Carson HookUpz™ Smartphone Telescope Adapter: Instructions for Use</a></p> <p>Comprehensive user guide for the Carson HookUpz™ Smartphone Telescope Adapter, covering setup, phone insertion, alignment with telescopes, photography tips, troubleshooting FAQs, and care instructions.</p>
	<p><a href="#">CARSON Smartphone Telescope Adapter: Instructions for Use</a></p> <p>Comprehensive guide to using the CARSON Smartphone Telescope Adapter with your telescope. Learn how to attach your smartphone, align the camera, and capture images. Includes FAQs and tips.</p>
	<p><a href="#">Carson MP-0421S Monopix Monocular with Smartphone Adapter Kit - User Manual &amp; Guide</a></p> <p>Comprehensive instructions and tips for using the Carson MP-0421S Monopix Monocular and its accompanying smartphone adapter kit. Learn setup, operation, photography, and maintenance.</p>
	<p><a href="#">Carson MM-380 20x Microscope with Universal Smartphone Clip User Guide</a></p> <p>Comprehensive guide for the Carson MM-380 20x Microscope, detailing setup, usage, battery replacement, and safety warnings for optimal performance with your smartphone.</p>
	<p><a href="#">Carson 3D Series ED Binoculars: User Guide, Specifications, and Care</a></p> <p>Explore the features and specifications of Carson 3D Series ED Binoculars. This guide provides detailed instructions on setup, focusing, care, and accessory attachment for models like TD-832ED, TD-842ED, TD-042ED, TD-042EDMO, and TD-050ED.</p>

