

# ASTROSCAN®

## HELION BINOCULAR

### CONGRATULATIONS!

Thank you for purchasing the Astroscan® Helion 7 x 50 Binocular. Powerful, portable and easy-to-use, you will find the Astroscan® Helion perfect for bird watching, hunting, travel and sports, as well as stargazing, moon viewing, comet tracking and more! Please review these instructions prior to using this binocular for a complete understanding of their proper use and care.



#### DO NOT LOOK AT THE SUN WITH BINOCULARS

Viewing the sun through binoculars is extremely dangerous and can result in permanent visual impairment or blindness. Children should only use with adult supervision.

### BINOCULAR ADJUSTMENT AND USE

You are only three adjustments away from obtaining the perfect view through your Astroscan® Helion:

**1) Barrel Adjustment:** Aligning the binocular eyepieces to match the distance between the pupils of your own eyes is the first step to achieving a sharp image through the binocular. This is referred to as the interpupillary distance. Remove both the eyepiece caps and the objective lens caps and use both hands to lift the binocular up to your eyes. Bring them into alignment by simply moving the two barrels of the binocular back and forth. Now look through the eyepieces. By bringing the two halves of the binocular either closer together or farther apart, you will quickly discover the barrel positioning that is right for your eyes.

**2) Focus Wheel:** Located in the center of the binocular, the focus wheel will bring images through the binocular into sharp focus. While gazing at the horizon through the eyepieces, place your fingertips on top of the focus wheel and adjust the wheel to either the left or to the right. (Note: this adjustment will also be used to compensate for differences in eyesight from one user to another.)

**3) Diopter Adjustment:** To obtain the best view for each eye, always refine the adjustment prior to use. The best way to do this is to adjust the focus one eye at a time. Choose an object in the distance. Place the lens cap over the right lens and adjust the focus wheel until the view through your left eye is crisp. Then remove the right lens cap and install the left lens cap. Look at the same chosen object through the right eyepiece. Now adjust the diopter (right eyepiece) by turning it to the left or to the right until desired focus is achieved. Remove the lens cap. Your view should be exceptionally sharp. Enjoy!

### Proper Care & Maintenance

Given proper care and storage, your Astroscan® Helion 7 x 50 Binocular should give you with many years of reliable use.

#### Storage:

- For its protection, the Astroscan® Helion includes a soft carrying case, eyepiece caps, and attached objective lens caps.
- Be sure to store this binocular (with the included caps over the lens and eyepieces) in a cool, dry environment whenever not in use.
- Do not leave this instrument unattended in direct sunlight for an extended period of time as excessive heat may result in damage.

#### Cleaning:

- Dust is best removed from the lenses by using a can of pressurized air.
- The removal of normal fingerprint smudges can be accomplished by using a dry, soft microfiber lens cloth. Do not use household liquid cleaners.
- A deeper cleaning can be done using an optics cleaning kit (not included) designed specifically for use on instruments such as telescopes and cameras.



#### Specs:

• Chassis Material	Aluminum Alloy	• Relative Brightness	50.41
• Prism Glass	BK7	• Twilight Factor	18.65
• Optical Coating	Multi-coated	• Exit Pupil	7.1mm
• Magnification	7x	• Exit Relief	18.6mm
• Obj Lens Diameter	50mm	• Min. Focusing Distance	8
• FOV: FT/1000YDS	341	• Eye Cup	Fold Down
• FOV: M/1000M	14	• Water/Fog Proof	No
• FOV: Angle Degree	6.5	• Tripod Apptable	Yes

#### Using the Astroscan® Helion with an Optional Tripod

You may choose to mount your Astroscan® Helion onto a tripod. This is possible by using a standard tripod equipped with a binocular adapter (not included). Threads for mounting this binocular to the tripod can be found by unscrewing and then removing the small, circular logo cap located on the front of the binocular hinge.

#### Backed by a Two-Year Limited Warranty

Scientifics Direct® warrants the Astroscan® Helion Binocular to be free from defects in materials and workmanship for two years from date of original purchase. Scientifics Direct® will repair or replace such product or part thereof which, upon inspection by Scientifics Direct® is found to be defective in materials and workmanship. As a condition to the obligation of Scientifics Direct® to repair or replace such product, the product must be returned to Scientifics Direct® at the customer's expense together with proof of purchase satisfactory to Scientifics Direct®. If you have questions or a warranty claim, please contact us at 1-800-728-6999 or email [info@scientificsdirect.com](mailto:info@scientificsdirect.com).

#### 30-Day Satisfaction Guarantee

We stand behind our commitment to provide you with a quality binocular. Our Guarantee entitles you to receive an exchange, replacement or refund for the full merchandise amount (less any appropriate shipping charges) within 30 days of purchase.

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