

# CARSON®

## 3D Series

### ED Binoculars



**TD-832ED**  
**TD-842ED**  
**TD-042ED**  
**TD-042EDMO**  
**TD-050ED**

Congratulations on selecting your new 3D Series ED Binocular! In order to achieve optimum performance, please follow instructions for proper use and care.

#### PRODUCT SPECIFICATION

Model	TD-832ED	TD-842ED	TD-042ED	TD-042EDMO	TD-050ED
Magnification	8x	8x	10x	10x	10x
Objective Lens Diameter	32mm	42mm	42mm	42mm	50mm
Prism	BAK-4	BAK-4	BAK-4	BAK-4	BAK-4
Lens Coating	Fully Multi-Coated	Fully Multi-Coated	Fully Multi-Coated	Fully Multi-Coated	Fully Multi-Coated
Field of View	392 feet	341 feet	314 feet	314 feet	262 feet
Eye Relief	19.5mm	19.5mm	16mm	16mm	20mm
Close Focus	6.6 feet	9.8 feet	9.8 feet	9.8 feet	13.1 feet
O-Ring Sealed	Yes	Yes	Yes	Yes	Yes
Phase Coated	Yes	Yes	Yes	Yes	Yes
Waterproof / Fogproof	Yes	Yes	Yes	Yes	Yes
ED Glass Objective Lens	Yes	Yes	Yes	Yes	Yes
Weight	1.2 lbs.	1.4 lbs.	1.5 lbs.	1.5 lbs.	1.7 lbs.
Dimensions	4.9" x 4.8" x 1.8"	5.5" x 5" x 2"	5.5" x 5" x 2"	5.5" x 5" x 2"	6.8" x 5.3" x 2.5"

#### PRISM SYSTEM

Your Carson 3D binoculars feature a roof prism system. The prisms overlap closely allowing the objective (front) lenses to line up directly with the eyepieces. The result is a slim, streamlined shape in which the lenses and prisms that magnify and correct the image are in a straight line.



#### EYE ADJUSTMENTS: HOW TO ADJUST FOR DISTANCE BETWEEN YOUR EYES

The distance between the eyes, called "interpupillary distance," varies from person to person. To achieve perfect alignment of lens to eye, follow these simple steps:

1. Hold your binoculars in the normal viewing position.
2. Grasp each barrel firmly. Move barrels closer together or further apart until you see a singular circular field.



#### ED GLASS

Your Carson 3D-ED binoculars contain ED Glass (extra low dispersion glass) in their lenses. This ED Glass helps prevent chromatic aberration (fringes of color that appear around the viewing image).

#### INDIVIDUALLY ESTABLISHING LEFT/RIGHT EYE FOCUS

Most binoculars have a center focus wheel and an independent right diopter eyepiece to account for small differences in the strength of each eye. Please follow the steps below to focus properly:

1. Eyecups should be fully extended if you don't wear glasses. If you wear glasses, twist down eyecups to bring your eyes closer to the binocular lens.
2. With right eye closed, rotate the central focusing wheel until the image in the left eyepiece is sharp.
3. With left eye closed, rotate the adjustable right diopter eyepiece until the image is sharp.
4. Image should now be focused to your individual eye strength and will retain setting for future use.

**Note:** If you still cannot focus, rotate adjustable right diopter to reset by lining up symbols (triangle, line, circle, etc.) on diopter eyepiece and barrel. Then repeat Focusing Steps 2 and 3.

#### TWIST-UP EYECUPS

Your Carson 3D binocular features twist-up eyecups designed to exclude extraneous light. If you do not wear eyeglasses, you may choose to twist the eyecups out to block stray light and reflections from your view. If you are an eyeglass wearer, lowering the eyecups will bring your eyes closer to the binocular lenses, providing an improved field of view.



## WATERPROOFING

All Carson 3D binoculars are nitrogen purged and o-ring sealed to protect your binocular from water damage. They are designed to protect against accidental splashing, rain or even full submersion in up to 1 meter of water for up to 5 minutes.

## OPTICAL COATINGS

All 3D binoculars feature fully multi-coated optics, meaning that all glass surfaces have multiple coatings applied to them to prevent internal reflection and light loss. This results in images that are brighter, shaper and higher in contrast.

As light travels through a roof prism binocular, it becomes slightly out of phase. This affects the color balance and fidelity. Your 3D binoculars are phase coated to correct this problem, forcing the light back into phase and therefore resulting in more accurate color reproduction.

All 3D binoculars come with both a neck strap and a shoulder harness. You can choose either accessory to hold your binocular depending on your personal preference.

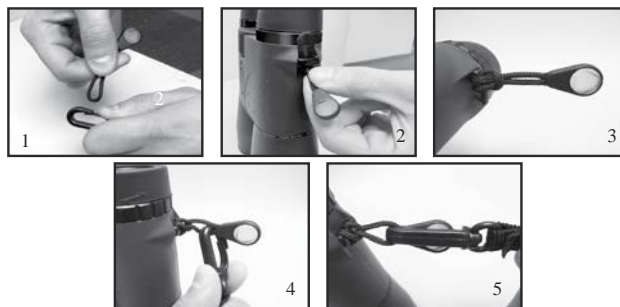
### ATTACHING THE NECK STRAP

1. Thread the end of the strap up through the strap clip on the side of your binocular.
2. Thread the strap through the first loop of the plastic strap piece.
3. Continue to thread the strap through the second loop of the plastic strap piece.
4. Adjust the strap to the desired length and pull tight.
5. Slide the plastic cuff over the loose end of the neck strap.



### ATTACHING THE SHOULDER HARNESS

1. Remove the security buttons from the quick release hooks on your binocular harness.
2. Slide the security button loop upward through the strap clips on each side of your binocular.
3. Feed the security button through the loop and tighten.
4. Attach quick release hook onto loop.
5. Slide security button into center of quick release hook.



### USE OF A TRIPOD ADAPTER

All Carson 3D binoculars are compatible with most standard binocular tripod adapters. To attach a tripod adapter to your binoculars:

1. Twist the tripod adapter cap (located at the hinge in between the binocular barrels) counterclockwise and remove it.
2. Attach the binocular tripod adapter into the threaded hole in the binocular turning it clockwise until tight.
3. Attach the bottom of the tripod adapter to your tripod.

**NOTE:** Tripod and adapter are not included with your 3D binoculars.



### INSTRUCTIONS FOR CARE

Cleaning must be done safely to avoid scratching the lenses. This can be accomplished with the following procedure:

1. Blow away any dust or debris on the lens (or use a soft brush.)
2. To remove dirt, grease or fingerprints, clean with a soft cotton cloth, rubbing in a circular motion. Use of a coarse cloth or unnecessary rubbing may scratch the lens surface and eventually cause permanent damage.
3. For a more thorough cleaning, use a Carson C6® lens cleaning product.
4. **IMPORTANT:** Never attempt to clean your binoculars internally or try to take them apart.
5. Keep binoculars in case when not in use.

**Customer Service:** If you experience any difficulties, please contact us and we will be happy to help you.



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For warranty information, visit [www.carson.com/warranty](http://www.carson.com/warranty)

**www.carson.com**

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