



# BINOCULARS

## USER MANUAL



FF12002/FF12012/FF12020



See brilliant light, pure visuals and illustrious-luminous landscapes with Firefield Binoculars. Featuring three binoculars with high 10x magnification optics, it gets up close to the target and to the action. Each have multi-coated lenses to give a sharp, high quality image that will keep any user immersed in the game.

#### Features:

- High 10x magnification
- Rubber armored
- Fully multi-coated lenses
- Roof prism optics \* FFI2002, FFI2020
- Porro prism optics \* FFI2012
- Ergonomic design
- Lightweight

#### Included:

- Carrying Case
- Lens cleaning cloth



[www.firefield.eu](http://www.firefield.eu)

FFI2002

FFI2012

FFI2020

Magnification	10x	10x	10x
Objective lens diameter	42mm	50mm	42mm
Lens focus	140mm	184mm	140mm
Field of view	5.7°	7°	5.8°
Field of view m@1000m	91	122,15	102
Field of view ft@1000yds	273	367	305
Focus range	7m to ∞	6m to ∞	5m to ∞
Eye relief	10mm	12.7mm	14mm
Prism system	Roof	Porro	Roof
Interpupillary distance	48-75mm	54-74mm	54-72mm
Prism type	BK7	BK7	BK7
Operating temperature	0-40°	0-40°	0-40°
Dimensions	142x96x56mm	185x76x165mm	152x124x51mm
Weight (oz/g)	15/425	29.6/839	20.5/581

## DIAGRAM

1. Eyepiece
2. Objective lens
3. Diopter adjustment
4. Central focusing knob
5. Neck strap eyelet
6. Interpupillary distance



## CAUTION

Please read and strictly adhere to the following instructions, safety precautions and warnings to avoid potential damage to the product and / or personal or third party injury due to improper useage. Before use, please carefully read all instructions accompanying the product to ensure proper useage.

## EYEPIECES

The Firefield 10x42 binocular (FF12020) features rotating eyepieces (1) to accommodate various users. To extend, rotate each eyepiece counterclockwise until it can no longer be rotated. Do not attempt to rotate they eyepiece further than it is intended to be rotated, as this may cause damage to the eyepiece. To retract and return to its original position, rotate each eyepiece clockwise until flush with the body of the binocular. The retracted eyepiece position is best for users with eyeglasses.

## INTERPUPILLARY DISTANCE ADJUSTMENT

Interpupillary distance is the measurement of the distance between the center of the eyes' pupil. To adjust for interpupillary distance (6), look through the binoculars and locate the object in the distance on which to focus. Move the binocular tubes apart or closer together until the object in the view viewing fields becomes one singular image.

## DIOPTER ADJUSTMENT

Adjusting the diopter balances the focus on the left and right viewing fields. The Firefield binoculars' adjustment ring (3) is located on the right eyepiece. Adjust the ring until the image becomes crisp and sharp. the diopter setting should stay the same, unless the binocular's operator changes.

## FOCUSING ADJUSTMENT

Use the central focusing ring (4) in conjunction with the diopter adjustment to achieve a completely focused image. First, choose an object in the distance on which to focus and rotate the central focusing ring to either the right or the left until the object appears crisp and sharp in the left viewing field. Second, rotate the diopter adjustment ring on the right eyepiece to either the left or right until the same object appears crisp and sharp in the right viewing field. Finally, check the focus with both eyes and make adjustments necessary.

## NECK STRAP ATTACHMENT

To use the provided binocular neck strap, place one end of the strap through the neck strap eyelet (5) located on the side of the binocular. Place the strap's end through the plastic adjustment strap, and attach and tighten the loose loop ends to secure the pieces together. Finally, place the strap around the neck and adjust the length.

## WARNING

- Never look directly at the sun or any other brightly illuminated object while using the product, as doing so may cause serious damage to the eyes.
- Do not leave the product in or on an unstable place or surface as it may fall and cause damage.
- Do not look through the product while walking or performing other activities this may cause serious injury to the user.
- The carrying case, strap, harness and external materials that make up the composition of the product may deteriorate over time and could potentially stain clothes, skin, or other items. In order to prevent this from occurring, check the condition each time before use. If evidence of deterioration is found, consult with the retailer from which the product was purchased.

- The use of rubber eyecups for extended periods of time may cause the user to experience skin inflammation or other skin related complaints. If any symptoms develop, consult a doctor immediately.
- Take care not to pinch fingers or skin when adjusting the interpupillary distance to the diopter.
- Do not leave the carrying case, straps, harness, lens caps, or other packaging materials within the reach of young children as they may accidentally choke or suffocate.
- Do not disassemble or attempt to repair the product as this may cause damage to the product and will void the warranty. Product repairs should only be made by a trained professional.
- Do not open the product's housing or rotate any moveable pieces beyond their limits. Doing so may cause damage to the product and will void the warranty.
- Take care to avoid dropping or subjecting the product to shocks or impacts. Failure to do so may cause damage to the product. If a normal image cannot be obtained after an impact has occurred, consult the retailer from which the product was purchased.
- Do not leave the product in direct sunlight, extreme temperatures or direct moisture for extended periods of time, as this may cause damage.

## FIREFIELD WARRANTY

Please visit [www.firefield.com](http://www.firefield.com) for warranty details and information.



[www.firefield.eu](http://www.firefield.eu)