

A BETTER VIEW OF THE WORLD

MEOPRO® HD SERIES
BINOCULAR
USER MANUAL



EUROPEAN OPTICS | SINCE 1933

CONGRATULATIONS ON YOUR NEW MEOPTA® MEOPRO® HD SERIES BINOCULAR.

**Do you need help with your product?
No need to return the product to the store.**

If you have technical problems with this product, have questions about its operation, its warranty or for replacement parts please contact Meopta USA.

Meopta Customer Service

1-800-828-8928

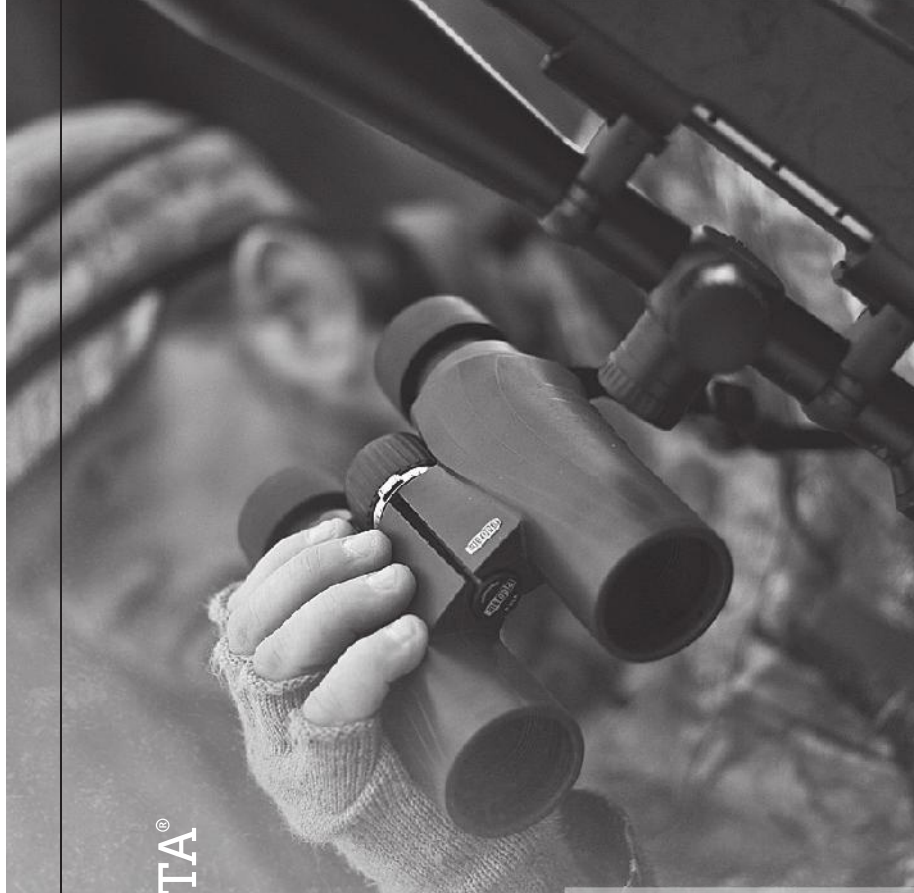
customerservice@meopta.com

Monday - Friday 9am to 5:30pm EST

MeoPro® HD Series binoculars are premium quality, high performance optical instruments that are considered to be among the finest in the world.

Through the use of only the highest quality materials, state of the art manufacturing processes and stringent quality control, MeoPro® HD binoculars are designed to provide the user with a lifetime of dependable, reliable, superior optical performance.

We thank you for your confidence in Meopta® brand sports optics.



The following items are included in the box:



Meopta® MeoPro® HD binoculars utilize HD Fluoride objective lens elements for incredible clarity, sharpness and vivid color fidelity.

The optical system consists of a sealed doublet objective lens, a moveable focusing element, fixed diverging lenses, a prismatic reversing system and the eyepiece.

The moveable elements allow for dioptic correction and focusing to infinite distances.

The prismatic system utilized in the MeoPro HD binoculars combines two different roof prism designs, a half-pentagonal and Schmidt, to provide maximum optical performance for the user.

All optical components have been fully multi-coated to reduce refraction and improve overall light transmission.

① Each MeoPro® HD binocular consists of two optical systems housed in rubber armored, aluminum alloy frames that are joined together at the center by a hinge joint.

② The center focusing wheel is located in the center of the binocular at the end of the hinge joint nearest the eyepieces.

③ Right column diopter adjustment ring for personal optical fine tuning.

④ The threaded cap at the end of the hinge joint that is closest to the objective lenses can be removed to allow the attachment of a tripod adapter.



CAUTION!
Never look directly into the sun with the binocular!
Viewing the sun directly with the binocular can cause permanent eye damage!

First, set the proper interpupillary distance for your eyes, allowing for a comfortable viewing position with a full field of view.



MeoPro® HD binoculars feature 3 position adjustable twist-up eyecups that accommodate all users. If you do not wear eyeglasses you should have the eyecups in the extended or "up" position. Twist each eyecup in a counterclockwise direction to raise the eyecup to the "up" position. Users who wear eyeglasses should keep the eyecups in the "down" position.

Adjusting twist-up eye cups



Adjusting the diopter for personal use.

MeoPro® HD binoculars feature a manually adjustable diopter setting, allowing users to compensate for focusing imbalances between each eye. This type of adjustment allows users to experience one crisp, clear image and virtually eliminates eyestrain.

① Cover the right objective lens and use the center focus wheel to obtain sharp focus using only the left optical system of the binocular. Focus on an object that is approximately 60 feet away.

② Cover the left objective lens and fine tune the focus of the binocular's right optical system by using the diopter adjustment ring, while looking at the same object.

Important: Do not move the center focus wheel during this step.

Please note that it is extremely important to focus each optical system of the binocular on the same object, at the same distance, in order to obtain the proper adjustment for your eyes. If done correctly, when you look through the binocular with both eyes open, the image will be very clear and sharp. Once these initial adjustments have been made to your binocular, you can focus on any object, regardless of distance, by simply adjusting the large focus wheel only.



Adjusting the diopter for personal use.

Focus on single stationary object approximately 60 feet away

① Cover right objective lens



② Cover left objective lens



Handling Recommendations:

- * Do not drop the binocular!
- * Avoid impacts with hard objects
- * Do not place heavy objects on the binocular
- * Do not sit on the binocular
- * Keep lens covers in place when the binocular is not in use

① Tripod Adaptability

If you plan on observing for an extended period of time, MeoPro® HD binoculars can be mounted to a tripod via Meopta's QR tripod adapter. The tripod adapter connects to the binocular hinge threaded insert that is located under the threaded cap on the front of the binocular which reads, "MEOPTA ASSEMBLED IN USA." Use of a tripod adapter greatly increases image stability and relieves strain on your arms, neck, shoulders and back.



The MeoPro® HD binocular is a high performance optical instrument that is both waterproof and fogproof. It requires careful handling and cleaning to protect the high performance optical surfaces.

MeoPro® HD binoculars are supplied with rubber objective lens and ocular covers. When the binocular is not in use, protect the optical surfaces by keeping the lens covers on the binocular.

Dust and debris that becomes deposited on the body of the binocular should be removed with a fine, damp cloth. Dust and debris that becomes deposited on the optical surfaces should first be removed by blowing away the heaviest deposits, and then lightly wiping the surface of the lens with an anti-static cloth that has been dampened with a quality lens cleaning solution.

If the binocular is used in wet weather, it is recommended to dry the binocular and lens surfaces with a soft, dry, lint-free cloth.



Tripod adaptor threaded insert

Each MeoPro® HD binocular is supplied with an ocular lens cover and objective lens covers. Please cover lenses as shown when binocular is not in use.



Each MeoPro® HD binocular is supplied with a micro fiber cloth for cleaning lens surfaces.

Please remove dust and debris from lens surfaces before using cloth.



The objective lens covers are tethered by a flexible rubber ring which attaches to each binocular barrel.



MeoPro® HD Binocular Technologies

TO2™ Twilight Optimized Optics

Our proprietary ion-assisted anti-reflective lens coatings – combined with high-performance Schott glass – minimize light absorption in the optical system and maximize the transmission of low light wavelengths during critical twilight conditions. Optimized to deliver the highest possible light transmission rates in the 480nm (twilight) range of the visible light spectrum. This optimization guarantees the brightest optical performance.

HD Fluoride Objective Lenses

HD Fluoride objective lens element eliminates chromatic aberration (CA) or color fringing by bringing light wavelengths into a single common focus along the optical axis – delivering maximum resolution and vivid color fidelity in challenging lighting conditions.

MEOBRIGHT™ Ion-Assisted Lens Multi-Coatings

Our proprietary, high-performance ion-assisted multi-coating featured on MeoPro® series binoculars, MeoBright™ delivers an outstanding 99.7% light transmission per lens surface while suppressing reflections and glare.

MEOSHIELD™ Abrasion Resistant Lens Coating

A proprietary ion-assisted coating protects external lens surfaces and delivers enhanced resistance to scratching or abrasion in extreme conditions. Meets military specifications for durability and surface hardness.



MeoPro® HD Binocular Specifications



MeoPro® HD Model	8x32	10x32	8x42	10x42
Magnification	8 x	10 x	8 x	10 x
Objective Lens (mm)	32	32	42	42
Field of View at (ft/1000yds)	414	383	384	351
Field of View (Degrees)	7.2	6.7	6.7	6.1
Eye Relief (mm)	17	15	22.0	17
Close Focus Distance (ft)	5.6	4.9	9.8	8.4
Exit Pupil Diameter	4	3.2	5.3	4.2
Twilight Factor	16	17.9	18.3	20.5
Daylight Transmission (%)	85	85	85	85
Twilight Transmission (%)	80	80	80	80
Interpupillary Distance (mm)	00-00	00-00	00-00	00-00
Dioptric Correction (D)	+/- 3	+/- 3	+/- 3	+/- 3
Height (in)	5.2	5.2	6.1	6.1
Width (in)	5.2	5.2	5.2	5.2
Depth (in)	1.9	1.9	2.3	2.3
Weight (oz) - w/o caps & strap	21.1	21.1	24.6	24.3

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