

S I G H T  M A R K[®]

USER MANUAL



SM12001, SM12002, SM12003, SM12004,
SM12101, SM12102, SM12103

English

ABOUT SIGHTMARK®

Sightmark offers a wide range of products that include red dot scopes, reflex sights, rangefinders, riflescopes, laser sights, night vision, binoculars and award-winning flashlights and boresights. Sightmark products are inspired by military and law enforcement applications. All products are designed to be the most effective weapon accessories possible.

MAKE YOUR MARK



www.sightmark.com

ENGLISH



FEATURES:

(SM12001, SM12002, SM12003, SM12004)

- Bak-4 roof prisms
- Fully multi-coated optics
- Waterproof, fogproof, and dustproof
- Rubber armor
- Twist up eyecups

(SM12101, SM12102, SM12103)

- XD (extra low dispersion) glass
- Bak-4 prisms
- Phase corrected, fully broad band multi-coated optics
- Waterproof, fogproof, dustproof
- Magnesium bridge
- Rubber armor
- Twist up eyecups

INCLUDES:

- Nylon carrying case
- Neck strap
- Lens covers
- Shoulder harness

	SM12001	SM12002	SM12003	SM12004	SM12101	SM12102	SM12103
Power	8x	8x	10x	12x	7x	8x	10x
Objective lens dia.	32mm	42mm	42mm	50mm	36mm	42mm	42mm
Lens coating	BMC	BMC	BMC	BMC	FBMC	FBMC	FBMC
Focusing lens	internal	internal	internal	internal	internal	internal	internal
Exit pupil dia.	4.1mm	5.25mm	4.2mm	5mm	5.1mm	2.5mm	4.27mm
Exit Pupil distance	14.7mm	19.7mm	18.4mm	19.5mm	16.8mm	16.6mm	15mm
Field of view	8.13°	6.5°	5.8°	5.4°	9.06°	8.12°	6.5°
Min focal length	2m	4m	4m	4m	1.8m	2m	2m
Relative brightness	16.81	27.04	17.38	25	26	27.04	18.23
Twilight index	16.19	18.24	20.42	21.47	15.81	17.8	20.2
Resolution	5.7"	5.33"	5.33"	4.2"	4.3"	4"	4"
Interpupillary dist.	55-73	56-74	56-74	56-74	56-73	56-73	56-73
Dimensions, mm	125x45x110	125x51x150	125x51x150	132x58x165	123x51x150	127x51x170	127x51x170
Weight, oz	23.5	26.7	26.7	31.7	23.7	26.7	26.7

Solitude 8x32, 8x42, 10x42, 12x50

DIAGRAM:

- 1) Eyepieces
- 2) Neckstrap eyelets
- 3) Focus ring
- 4) Diopter adjustment
- 5) Objective lens
- 6) Central hinge
- 7) Tripod socket
- 8) Neckstrap
- 9) Eyepiece cover
- 10) Objective lens covers
- 11) Shoulder harness
- 12) Carrying case



Solitude XD 7x36, 8x42, 10x42

DIAGRAM:

- 1) Eyepieces
- 2) Neckstrap eyelets
- 3) Focus ring
- 4) Diopter adjustment
- 5) Objective lens
- 6) Magnesium bridge
- 7) Tripod socket
- 8) Neckstrap
- 9) Eyepiece cover
- 10) Objective lens covers
- 11) Shoulder harness
- 12) Carrying case



OVERVIEW:

The Sightmark Solitude Binocular features fully multi-coated lenses, which provides maximum light transmission and optimal brightness, so any outdoorsman or sports aficionado can explore and enjoy his or her surroundings to the fullest.

Featuring Bak-4 roof prisms, the Solitude Binoculars are equipped with superior glass for a clearer and better quality image. The Bak-4 roof prism system features a straight through light system, which achieves better light transmission and allows for a more compact design. From early dawn to late dusk, the optimum color fidelity and clarity of image enhances any viewing experience, while a generously long eye relief provides comfortable viewing. The twist up eye cups on the binoculars provides a custom fit and helps correct eye relief, even for individuals who wear eye glasses.

The Sightmark Solitude binoculars boasts a rugged, yet lightweight, rubber armored body that is nitrogen filled and O-ring sealed, making it waterproof and fog proof. Featuring dust proof construction, the Sightmark Solitude binoculars are highly durable for a lifetime of use.

WARNINGS AND PRECAUTIONS:

Before handling the binoculars, read and understand the contents of the manual. Follow all standard safety precautions and procedures during use of the binoculars.

The binoculars are nitrogen purged and o-ring sealed, DO NOT disassemble the binoculars for any reason as this will void the warranty. Any internal work should be handled by the manufacturer. Any tampering with the assembly will void the warranty.

ADJUSTING THE INTERPUPILLARY DISTANCE

Interpupillary distance is the distance between your eye's pupils. In order to obtain a single image, the center of the binocular's eyepieces (1) must be set the same distance apart as your eye's pupils.

To set the interpupillary distance:

- 1) Look through the binoculars with both eyes.
- 2) Rotate the binoculars gradually until the two images become one.

FOCUSING ADJUSTMENT:

Focusing adjustment is necessary to view objects at different distances.

To adjust focusing:

- 1) Look through the binoculars with both eyes at a distant object.
- 2) Rotate the focus ring (3) until the image is crisp and sharp.

SETTING THE DIOPTER ADJUSTMENT

The diopter adjustment (4) of the binoculars is important to provide a sharp image and avoid eye strain. Readjusting the diopter adjustment is not necessary if the binoculars are operated by only one user.

To set the diopter adjustment:

- 1) Look through the left eyepiece with the left eye at a distant object.
- 2) Rotate the focus ring (3) until the object is in focus.
- 3) Look through the right eyepiece with the right eye at the same object.
- 4) Rotate the diopter adjustment until the same object is in focus

ADJUSTING THE TWIST-UP EYECUPS

The adjustable twist-up eyecups provide a custom fit for proper eye relief and fit for eyeglass wearers and non-eyeglass wearers.

To adjust the twist up eyecups:

- 1) Rotate the eyecup of the eyepiece (1) counterclockwise to extend the eyecup. The eyecup will click into first position.
- 2) Rotate again to engage the eyecup in the second and final position.
- 3) Select the position that provides correct relief and comfort.
- 4) Rotate the eyecup of the eyepiece (1) clockwise to retract the eyecup.



TRIPOD MOUNTING

All Sightmark Solitude binoculars include a 1/4" tripod socket (7) to mount with an adapter for use with a tripod.

To attach the binoculars to a tripod:

- 1) Unscrew the tripod socket (7) cover counter clockwise and remove.
- 2) Screw a tripod mount bracket adapter into the threaded socket.
- 3) Attach the tripod adapter to the tripod.

MAINTENANCE AND STORAGE

Proper maintenance of the binocular is recommended to ensure longevity. It is recommended that when the binocular becomes dirty that it is wiped down with a dry or slightly damp cloth. Blow dirt and debris off all optics and then clean lenses with a lens cleaning cloth. No further maintenance is required.

SIGHTMARK WARRANTY

Please visit www.sightmark.com for warranty details and information.



www.sightmark.com