

# Minolta Binoculars



**Minolta binoculars** are manufactured with the same dedication to optical quality that has long been associated with Minolta lenses. Each Compact, Pocket and Mariner model delivers distortion-free images that were at one time only possible with binoculars many times their size.

Minolta binoculars can magnify a subject from 6 to 12 times. 10 x 40 binoculars, for example, magnify the image 10 times. This is indicated by the number before the "X" in the model designation.

The number immediately after the "X" represents the diameter, in millimeters, of the front lens. These two numbers are used to calculate the brightness index of binoculars. The brightness index is the amount of relative light which reaches the eye—necessary information when purchasing binoculars.

All Minolta binoculars feature large front lenses and exit pupils for maximum brightness and clarity.

Minolta binoculars are designed to adjust and focus quickly and smoothly, yet stay in

their set position—time after time with no binding or loosening.

Adjustable eyepieces allow precise eyepiece correction from +4 to -4 diopters for those who don't like to wear eyeglasses when using binoculars. In addition, removable and foldable rubber eyecups help keep outside glare to a minimum.

Each model has a large, easy-to-reach knob for fast, fingertip focusing. And, all models are equipped with convenient carrying cases.

**Minolta's Mariner binoculars** are carefully crafted to weather the roughest conditions. They use O-ring seals that eliminate any chance of fogging and which protect the inner mechanisms from bad weather. Mariner binoculars are available in 8x32 and 10x40 models.

The roof prisms and lenses in the Minolta Mariner binoculars, as well as the Compact and Pocket models, have an anti-reflective coating to improve visibility and illumination.

**Minolta Pocket binoculars**, available in

five magnifications, feature a special roof prism which offers high performance in a small package. With the 6-12x24 Pocket Zoom binoculars, it is possible to change magnification quickly and track moving objects with ease. The lens barrels are perfectly aligned for comfortable viewing, and are sealed with a moisture-resistant compound which allows these powerful binoculars to withstand years of use.

**The Minolta Compact binoculars** utilize precisely aligned, high-quality lenses and prisms to give the user the advantages of large binoculars in a lightweight, easy-to-tote package.

Minolta Compact binoculars feature a special roof prism design that improves image brightness by 15 percent over conventional prisms.

Minolta Pocket, Compact, and Mariner binoculars offer unsurpassed performance and precision in all lighting situations.



# Minolta Mariner Binoculars

Rugged and water-resistant with powerful magnification for all outdoor activities.

- Minolta Mariner Binoculars contain the latest optical design in a rugged, water-resistant housing.
- Roof-prism construction makes these Mariner models smaller and lighter than porro-prism binoculars of comparable magnification, so they are easily portable for outdoor use.
- High-resolution optics and precise alignment afford comfortable viewing without eyestrain.
- The die-cast body, internal focusing system, and sealed exit pupils protect against damage by moisture or dust.
- Fast central focusing permits zeroing in on moving subjects and a diopter-compensation dial allows for adjusting the Mariner binoculars for the user's individual eyesight.
- Both models feature rubber eyecups for comfortable viewing.



## Minolta Mariner Binocular Specifications

Binocular Model	8 x 32	10 x 40
Magnification	8X	10X
Objective Diameter	32mm	40mm
Angle of View	7°	5.6°
Field at 1000 Yards	394 ft.	328 ft.
Exit Pupil Diameter	4.0mm	4.0mm
Brightness Index	16.0	16.0
Weight	18 <sup>5</sup> / <sub>16</sub> oz.	22 <sup>9</sup> / <sub>16</sub> oz.
Length (Including Eyecups)	5 in.	6 <sup>1</sup> / <sub>8</sub> in.
Width (Folded)	4 <sup>9</sup> / <sub>16</sub> in.	4 <sup>7</sup> / <sub>8</sub> in.
Depth (Folded)	1 <sup>1</sup> / <sub>2</sub> in.	1 <sup>15</sup> / <sub>16</sub> in.



# Minolta Compact Binoculars

**Small, lightweight binoculars with large binocular performance.**

Minolta compact binoculars deliver magnification and performance on a par with full-size binoculars. Ruggedly constructed to withstand rigorous use, they are the ideal choice for backpackers, hunters, birdwatchers or anyone who requires optical excellence without a lot of weight. Special BaK4 reverse prisms increase the image brightness by at least 15% over conventional prisms. Lenses and prisms have an anti-reflection coating for better illumination and visibility. Fast, convenient center focusing takes just one finger to turn the focus knob and reveal a crystal clear image. These binoculars are available in three models—6 x 20, 8 x 20 and 10 x 20—each of which features adjustable, removable rubber eyecups, a convenient carrying cord and a durable protective case.



## Minolta Compact Binocular Specifications

Binocular Model	6x20	8x20	10x20
Magnification	6x	8x	10x
Objective Diameter	20mm	20mm	20mm
Angle of View	7°30'	7°12'	5°48'
Field at 1000 Yards	393 ft.	378 ft.	304 ft.
Exit Pupil Diameter	3.3mm	2.5mm	2.0mm
Brightness Index	10.9	6.3	4
Weight	7 $\frac{3}{4}$ oz.	7 $\frac{3}{4}$ oz.	8 $\frac{3}{4}$ oz.
Length (Including Eyecups)	3 $\frac{5}{8}$ in.	3 $\frac{5}{8}$ in.	4 $\frac{3}{8}$ in.
Width (Folded)	4 in.	4 in.	4 in.
Depth (Folded)	1 $\frac{1}{8}$ in.	1 $\frac{1}{8}$ in.	1 $\frac{1}{8}$ in.

NOTE: Specifications subject to change without notice.

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# Minolta Pocket Binoculars

**Ultra small and light full field binoculars that fit in a pocket.**

Remarkably small and light, these binoculars provide powerful magnification with outstanding optical quality. Special BaK4 roof-prism design permits this compact take-anywhere convenience. The high resolution coated optics and barrels are precisely aligned for comfortable viewing without eyestrain or fatigue. The die-cast body and the dust and moisture sealing allows these powerful binoculars to withstand years of use. Fast, easy-to-use center focusing helps you zero-in on moving subjects. With five models to choose from, there is a binocular for everyone's pocket. Each one features folding, removable rubber eyecups, a convenient carrying cord and a protective traveling case.



## Minolta Pocket Binoculars Specifications

Binocular Model	6x16	8x20	8x24w	8x30	6-12x24 Zoom
Magnification	6x	8x	8x	8x	6-12x
Objective Diameter	16mm	20mm	24mm	30mm	24mm
Angle of View	9°5'	7°12'	8°5'	7°	6.9° (6x) 4.4° (12x)
Field at 1000 Yards	498 ft.	378 ft.	450 ft.	367 ft.	340 ft. (6x) 230 ft. (12x)
Exit Pupil Diameter	2.6mm	2.5mm	3.0mm	3.75mm	4.0mm (6x) 2.0mm (12x)
Brightness Index	6.76	6.3	9.0	14.06	16.0 (6x) 4.0 (12x)
Weight	5 oz.	6 oz.	9 oz.	13 <sup>3</sup> / <sub>8</sub> oz.	12 <sup>1</sup> / <sub>8</sub> oz.
Length (Including Eyecups)	3 in.	3 <sup>3</sup> / <sub>4</sub> in.	3 <sup>3</sup> / <sub>8</sub> in.	4 <sup>1</sup> / <sub>2</sub> in.	4 <sup>3</sup> / <sub>8</sub> in.
Width (Folded)	2 <sup>1</sup> / <sub>8</sub> in.	2 <sup>1</sup> / <sub>8</sub> in.	2 <sup>1</sup> / <sub>2</sub> in.	3 in.	2 <sup>1</sup> / <sub>2</sub> in.
Depth (Folded)	1 <sup>1</sup> / <sub>4</sub> in.	1 <sup>1</sup> / <sub>4</sub> in.	1 <sup>1</sup> / <sub>2</sub> in.	1 <sup>1</sup> / <sub>8</sub> in.	1 <sup>1</sup> / <sub>8</sub> in.