

Manufacturer	Model	Power	Prism Design	Weight (oz.)	Close Focus (ft.)	Eye Relief (mm.)	Resolution Scores ¹			Water-proof? ²	Field of View ³	Nitrogen filled?	Coatings ⁴	Phase corrected? ⁵	Eyecups ⁶	Length ⁷	Width ⁸	Depth ⁸	Strap Style	Strap Width (in)	Dangle Factor ⁹	MSRP ¹⁰
							10x	8x	7x													
Leica	Trinovid BCA	10x25	Roof	8.6	16.4	13.7	10		Resist	285	No	FMC	Yes	snap	4.3	2.5	1.5	cord	1/8	straight	\$429.00	
Zeiss	ClassicC	10x25	Roof	7.1	18.0	14.0	10		Yes	285	No	MC	Yes	fold	4.4	2.4	2.0	cord	1/16	straight	\$429.95	
Minox	Minox BD	10x25	Roof	10.2	9.5	17.0	9		No	261	Yes	MC	Yes	twist	4.3	2.5	1.8	cord	3/32	head-in	\$159.00	
Pentax	DCF MC	10x25	Roof	10.4	6.6	17.0	9		No	261	No	FMC	Yes	twist	4.4	3.8	2.5	strap	1/4	straight	\$229.00	
Swarovski	Swarovski	10x25	Roof	8.1	16.0	13.0	9		Yes	285	Yes	FMC	Yes	snap	4.3	2.4	1.8	strap	3/16	toe-in	\$576.00	
Weaver	Weaver Compact	10x28	Roof	8.8	19.0	10.0	9		Yes	254	Yes	FMC	No	fold	4.3	3.0	2.0	strap	1/4	toe-in	\$218.99	
Brunton	Compact Eterna	10x25	Roof	12.0	13.0	17.0	8		Yes	260	Yes	FMC	Yes	snap	4.6	2.8	2.0	padded	1-1/4	head-in	\$229.00	
Tasco	EXP Waterproof	10x25	Roof	12.6	16.0	8.0	8		Yes	345	Yes	FMC	No	fold	4.3	4.0	2.4	strap	1/4	toe-in	\$169.99	
Tasco	Amphibian	10x25	Roof	12.9	13.5	13.0	7		Yes	315	Yes	FC	No	fold	3.8	3.3	2.0	cord	1/16	head-in	\$49.99	
Canon	Canon	10x25	Roof	10.6	9.8	11.0	5		No	275	No	MC	No	fold	4.1	2.6	2.0	cord	3/32	head-in	\$140.00	
Weaver	Weaver Compact	8x24	Roof	7.9	17.0	10.0		8	Yes	315	Yes	FMC	No	fold	3.9	2.8	2.0	strap	1/4	toe-in	\$204.99	
Deutsche Optik	B/Ga Compact	8x22	Roof	11.0	13.0	14.0		8	Resist	360	Yes	FMC	Yes	fold	4.0	2.8	2.0	cord	3/16	straight	\$199.00	
Pentax	DCF MC	8x22	Roof	10.4	9.8	17.0		8	No	330	No	FMC	Yes	twist	4.4	3.8	2.5	strap	1/4	straight	\$209.00	
Swarovski	Swarovski	8x20	Roof	7.6	13.0	13.0		8	Yes	345	Yes	FMC	Yes	snap	3.8	2.4	1.8	strap	3/16	toe-in	\$521.00	
Zeiss	ClassicC	8x20	Roof	6.3	10.8	14.0		8	Yes	345	No	MC	Yes	fold	3.8	2.3	2.0	cord	1/16	straight	\$399.95	
Leica	Trinovid BCA	8x20	Roof	7.9	9.8	13.9		8	Resist	345	No	FMC	Yes	snap	3.6	2.5	1.5	cord	1/8	straight	\$399.00	
Minox	Minox BD	8x24	Roof	10.4	9.5	18.0		7	No	273	No	MC	No	twist	4.3	2.5	1.8	cord	3/32	head-in	\$149.00	
Brunton	Lite-Tech Compact	8x25	Roof	12.0	28.0	12.5		6	Yes	429	Yes	FC	No	fold	4.3	4.4	2.3	strap	3/8	toe-in	\$99.00	
Brunton	Compact Eterna	8x25	Roof	12.0	9.1	18.5		6	Yes	270	Yes	FMC	Yes	snap	4.6	2.8	2.0	padded	1-1/4	head-in	\$229.00	
Opticron	Aspheric LE	8x25	Roof	10.3	6.6	22.0		6	No	298	No	FMC	Yes	twist	4.4	2.8	2.5	cord	3/32	head-in	\$115.00	
Eagle Optics	Explorer	8x22	Roof	7.76	6.6	10.0		6	No	370	No	MC	No	fold	3.8	2.8	2.6	cord	1/8	head-in	\$59.00	
Nikon Inc.	Titanium	7x15	Roof	6.5	5.0	12.0		8	No	345	No	FMC	Yes	fold	3.1	3.6	2.0	cord	1/8	straight	\$774.95	
Eagle Optics	Voyager	10x25	Porro	9.5	8.2	18.0		9	No	262	No	MC	NA	twist	3.8	4.3	2.0	strap	1/4	toe-in	\$78.00	
Swift	Micron CF (A)	10x22	Porro	5.25	22.0	8.0		9	Yes	258	Yes	FMC	NA	fold	3.4	4.1	2.0	strap	1/4	toe-in	\$110.00	
Bausch & Lomb	Legacy Compact 2001	10x24	Porro	9.3	10.0	16.0		8	Yes	272	Yes	FMC	NA	twist	4.0	4.1	2.0	strap	3/4	toe-in	\$89.99	
Olympus	PC I	8x25	Porro	9.9	8.2	16.5		9	No	315	No	MC	NA	twist	3.9	4.5	2.0	lace	1/4	toe-in	\$129.00	
Swift	Trekker ZWCF (A)	8x26	Porro	12.0	10.0	14.0		8	No	341	No	FMC	NA	fold	3.5	4.5	2.1	strap	1-1/4	toe-in	\$360.00	
Eagle Optics	Voyager	8x25	Porro	9.9	8.2	18.0		8	No	330	No	MC	NA	twist	3.8	4.3	2.0	strap	1/4	toe-in	\$68.00	
Nikon Inc.	Travelite V	8x25	Porro	9.0	9.8	14.0		8	No	294	No	FMC	NA	fold	4.4	5.0	1.3	strap	5/8	toe-in	\$156.95	
Pentax	UCF X	8x25	Porro	11.1	6.2	15.0		8	No	324	No	MC	NA	snap	4.5	4.9	2.3	strap	1/4	toe-in	\$109.00	
Pentax	UCF WR	8x24	Porro	12.8	13.1	13.0		8	Resist	393	Yes	MC	NA	snap	4.3	5.0	2.5	strap	3/4	toe-in	\$139.00	
Swift	Micron CF (A)	8x25	Porro	11.0	8.0	8.0		7	No	331	No	FMC	NA	fold	3.5	4.3	2.0	strap	1/4	toe-in	\$99.95	
Meade	Travel View	8x25	Porro	10.5	20.0	12.0		6	No	426	No	MC	NA	fold	3.9	5.0	2.3	strap	3/8	toe-in	\$39.99	
Opticron	Taiga	8x25	Porro	9.9	8.2	18.0		6	No	361	No	FMC	NA	twist	4.0	4.5	2.0	strap	1/4	toe-in	\$99.00	
Olympus	DPC I	8x21	Porro	6.0	7.2	11.0		6	No	336	No	C	NA	fold	3.0	4.1	1.8	strap	1/4	toe-in	\$59.00	
Canon	Canon	8x23	Porro	8.8	9.8	11.0		4	No	338	No	MC	NA	fold	4.0	3.6	2.5	strap	1/4	toe-in	\$110.00	
Bausch & Lomb	Custom	7x26	Porro	12.0	8.0	16.0		8	No	363	No	FMC	NA	fold	3.8	4.2	2.0	strap	1-1/2	toe-in	\$420.00	
Nikon Inc.	Sprint	7x21	Porro	8.5	9.8	12.5		5	No	351	No	FMC	NA	fold	3.5	4.6	2.3	strap	1/4	toe-in	\$112.95	

¹ RESOLUTION SCORE: We stabilized each binocular on a tripod and compared how many lines it resolved on an optical resolution chart. For the binoculars resolving the finest lines we assigned a score of 10. Resolving the next finest lines yielded a score of 9, and so on. Note that each magnification class is in its own column so that the reader can easily compare binoculars with others of the same power.

² WATERPROOF: Yes=Submersible; Resist=Water resistant. Sprinkle but do not submerge; No=Don't get it wet.

³ FIELD OF VIEW: Width measured in feet at 1,000 yards.

⁴ COATINGS: Ultra-thin coatings are applied to lens surfaces to reduce reflections from the many glass surfaces inside the binoculars and maximize the light coming through to the eye. C=coated optics: one or more surfaces coated; FC=fully coated: all air-to-glass surfaces are coated; MC=multi-coated: one or more surfaces are multi-layer coated; FMC=fully multi-coated: all air-to-glass surfaces are multi-layer coated.

⁵ PHASE CORRECTED: Manufacturers of high quality roof prism

optics apply anti-phase shifting coatings to the roof prism to prevent interference problems inherent in roof prism optics. The result is better contrast. Phase corrected coatings are not applicable to Porro prism binoculars (marked "NA").

⁶ EYECUPS: Fold=rubber eyecups that bend into the desired position; Snap=eyecups that pull out and push in, for faster tradeoffs; Twist=eyecups that turn as they extend and retract.

⁷ LENGTH: Minimum, measured with eyecups in retracted or folded position.

⁸ WIDTH and DEPTH: For Porro prisms, measured with the barrels spread as flat as possible; for roof prisms, measured with the barrels folded into the most compact position.

⁹ DANGLE FACTOR: Head-in=hangs with the eyepieces tilted toward the chest; Toe-in=hangs with the objective (farther) lenses tilted toward the chest; Straight=hangs vertically.

¹⁰ MSRP: Manufacturer's Suggested Retail Price. Prices vary widely, and are often substantially lower than those listed here.