



Binocular Comparison



Model	8x42 PRO	10x42 PRO	8x42 EXPS I	10x42 EXPS I	12x50 EXPS I	10x50 S	8-16x40 S	8x40 S	8x21 RC II WP	10x21 RC II WP	8x25 WP II	10x25 WP II	8x21 RC II	10x21 RC II	
Optimised for	Water and extreme enthusiasts		Ambitious nature enthusiasts and Globetrotters			Nature enthusiasts			Indoor or Outdoor events				Every day use Sight-Seeing, Culture		
Optics	Type	Roof	Roof	Porro	Porro	Porro	Porro	Porro	Porro	Roof	Roof	Roof	Roof	Roof	Roof
	Magnification	8x	10x	8x	10x	12x	8-16x	8x	10x	8x	10x	8x	10x	8x	10x
	Objective lens diameter in mm	42	42	42	42	50	40	40	50	21	21	25	25	21	21
	Exit pupil diameter in mm	5.3	4.2	5.3	5.3	4.2	5-2,5	5	5	2.6	2.1	3.1	2.5	2.6	2.1
	Real Field of View	7.5°	6.2°	6.3°	5.5°	4.6°	5.0°-3.4°	8.2°	6.5°	6.3°	5.1°	6.2°	6.5°	6.3°	5.1°
	Apparent field of view	55.3°	56.9°	47.5°	49.7°	51.5°	38.5-50.8°	59.7°	59.2°	47.5°	48°	46.9°	59.2°	47.5°	48.0°
	Field of view at 1000m	131 m	108 m	114 m	96 m	80 m	87-59 m	143 m	113 m	110 m	89 m	108 m	114 m	110 m	89 m
	Relative Brightness	27.6	17.6	28	18	18	25.0-6.3	25.0	25.0	6.8	4.4	9.8	6.3	6.8	4.4
	Eye relief mm	18	16	18	18	18	10-12	12	12	10.4	8.4	15	12	10.4	8.4
	Diopter adjustment range	over ± 2 m-1	over ± 2 m-1	over ± 2m-1	over ± 2m-1	over ± 2m-1	over ± 1 D	over ± 2m-1	over ± 2m-1	over ± 2m-1	over ± 2m-1	over ± 3 m-1	over ± 3 m-1	over ± 2 m-1	over ± 2 m-1
Eye interval adjustment range mm	56-70	56-70	60-70	60-70	60-70	60-70	60-70	60-70	39-72	39-72	35-73	35-73	39-72	39-72	
Near Focus Distance m	1.5	1.5	4	4	4	10	4	6	3	3	1.5	1.5	3	3	
Dimensions / Weight	Weight	670g	665g	780g	785g	910g	855g	790g	710g	215g	215g	260g	270g	190g	190g
	Width	131mm	131mm	130mm	130mm	163mm	178mm	154mm	142mm	107mm	107mm	114mm	114mm	106mm	106mm
	Length	140mm	140mm	187mm	187mm	192mm	192mm	183mm	183mm	88mm	88mm	115mm	115mm	88mm	88mm
	Thickness	53mm	53mm	57mm	57mm	62mm	64mm	60mm	60mm	38mm	38mm	45mm	45mm	38mm	38mm
Speciality	ED Glass	•	•												
	BaK-4 ****	•	•	•	•	•					•	•			
	Fully multi-coated*	•	•	•	•	•					•	•			
	Multi-coated**									•	•		•	•	
	Fully-coated***						•	•	•						
	UV-Protection			•	•	•									
	Waterproof *****	•	•							•	•	•	•		
	Zoom						•								
	Rubberized Coating	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Adjustable Eyepiece	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Tripod Mount	•	•	•	•	•	•	•	•						
Speciality	ED lenses and phase-correction coating produce sharp, high resolution and high contrast images		Perfect View in low Light conditions	Multi-coated premium optics for crisp, sharp images		Get close with zoom function	Easy viewing in the dark	High definition viewing in any scene	Waterproof, fogproof and dirtproof		Waterproof outdoor binoculars with premium optics		Foldable and stylish		
Colors	black	black	black	black	black	black	black	black	Blue, magenta and green	black and dark green	Purple and green	black	Champagne Gold, Pearl White and Metal Magenta	Dark Silver	
Use	Recommended uses	Excellent optics for use in tough environments		For nature lovers and globetrotters	For ambitious nature enthusiasts	For nature observation and bird watching	Nature observation, sporting events, wildlife and birdwatching			Ideal for great outdoors		Waterproof sports binocular		Every day use	
	Astronomy	•		•					•						
	Marine Observing	•	•							•	•	•	•		
	Insect Observing	•	•								•	•			
	Bird Observing	•	•	•	•	•	•	•	•			•	•		
	Nature Observing	•	•	•	•	•	•	•	•			•	•		
	Outdoor / Hiking / Camping						•	•	•	•	•	•	•		
	Travelling									•	•	•	•	•	•
	Theatre / Indoor Events													•	•
	Sports	•	•	•	•	•	•	•	•	•	•	•	•	•	•
General Use						•	•	•	•	•	•	•	•	•	

* fully multi-coated: each lens is multi-coated
 ** Multi-coated: one lens is multi-coated, other lenses are mono-coated
 *** Each lens is mono-coated
 **** BaK4 = brightness enhancing barium crown glass
 ***** Waterproof binoculars can be submerged to a depth of 1 metre up to 5 minutes (IPx7)