

MONARCH series



The most advanced MONARCH binoculars ever:
Sharp and clear to the periphery, with an outstandingly bright, wide field of view

MONARCH HG 8x42/10x42



Superb optical performance with a wide field of view and rich contrast

MONARCH 7 8x30/10x30/8x42/10x42



Well-balanced optical performance with a bright and natural colour fidelity

MONARCH 5 8x42/10x42/12x42/8x56/16x56/20x56

Specifications

	MONARCH HG 8x42	MONARCH HG 10x42	MONARCH 7 8x30	MONARCH 7 10x30	MONARCH 7 8x42	MONARCH 7 10x42	MONARCH 5 8x42	MONARCH 5 10x42	MONARCH 5 12x42	MONARCH 5 8x56	MONARCH 5 16x56	MONARCH 5 20x56
Magnification (x)	8	10	8	10	8	10	8	10	12	8	16	20
Objective diameter (mm)	42		30		42		42		56			
Angular field of view (Real/degree)	8.3	6.9	8.3	6.7	8.0	6.7	6.3	5.5	5.0	6.2	4.1	3.3
Angular field of view (Apparent/degree)*1	60.3	62.2	60.3	60.7	58.4	60.7	47.5	51.3	55.3	46.9	59.6	59.9
Field of view at 1,000m/yd. (m/ft)	145/435	121/362	145/435	117/351	140/420	117/351	110/330	96/288	87/262	108/325	72/215	58/173
Exit pupil (mm)	5.3	4.2	3.8	3.0	5.3	4.2	5.3	4.2	3.5	7.0	3.5	2.8
Relative brightness	28.1	17.6	14.4	9.0	28.1	17.6	28.1	17.6	12.3	49.0	12.3	7.8
Eye relief (mm)	17.8	17.0	15.1	15.8	17.1	16.5	19.5	18.4	15.1	20.5	16.4	16.4
Close focusing distance (m/ft)	2.0/6.6		2.0/6.6		2.5/8.2		2.5/8.2		7.0/23.0	5.0/16.4		
Length (mm/in.)	145/5.7		119/4.7		142/5.6		145/5.7		199/7.8			
Width (mm/in.)	131/5.2		123/4.8		130/5.1		129/5.1		146/5.7			
Depth (mm/in.)	56/2.2		48/1.9		57/2.2		55/2.2		67/2.6			
Weight (g/oz)	665/23.5	680/24.0	435/15.3	440/15.5	650/22.9	660/23.3	590/20.8	600/21.2	1,140/40.2	1,230/43.4	1,235/43.6	
Interpupillary distance adjustment (mm)	56-74		56-72		56-72		56-72		60-72			
Waterproof*2	Up to 5m/16.4 ft for 10min		Up to 1m/3.3 ft for 10min		Up to 1m/3.3 ft for 10min		Up to 1m/3.3 ft for 10min		Up to 1m/3.3 ft for 10min			

*1 Apparent field of view is calculated based on the ISO14132-1:2002 standard.

*2 Waterproof models: These binoculars are waterproof, and will suffer no damage to the optical system if submerged or dropped in water to a maximum depth of 5m/16.4 ft for 10min or 1m/3.3 ft for 10min. (NOT designed for underwater usage.)

The product lineup listed in this brochure is correct as of the time of printing, and is subject to change without notice, while availability may vary according to region.

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. The colour of products in this brochure may differ from the actual products due to the colour of the printing ink used. July 2016

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WARNING

Never look at the sun directly through optical equipment. It may cause damage to or loss of eyesight.



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MONARCH HG

8x42/10x42



THE MOST ADVANCED MONARCH EVER :
MONARCH 



THE MOST ADVANCED MONARCH EVER : MONARCH HG

Realising a wide field of view, with stunning clarity all the way to the periphery

The wide apparent field of view (60.3° for the 8×42 and 62.2° for the 10×42) provides a spectacular viewing experience. While achieving a wide field of view, the Field Flatteners Lens System ensures sharpness and clarity all the way to the lens periphery. What's more, the employment of extra-low dispersion (ED) glass corrects chromatic aberrations that cause colour fringing, delivering a contrast-rich, high-resolution image.

Achieving a bright view that provides natural colour fidelity

High-quality multilayer coating is applied to all lenses and prisms while dielectric high-reflective multilayer coating is applied to the roof prisms, achieving a bright view of up to 92% or higher light transmittance, and natural colour fidelity. The quality of view is as if seen with the naked eyes. Also, phase-correction coating is applied to the roof prisms for enhanced resolution and contrast.

Sturdy, lightweight, waterproof body handles tough environments

Employing magnesium alloy ensures a sturdy, lightweight and compact body. The high level of waterproof/fogproof performance with nitrogen-filled body resists water pressure to a depth of 5m/16.4 ft and prevents fogging inside the optical system, even in low-pressure environments up to altitudes of 5,000m/16,404 ft equivalent. Scratch-resistant coating is applied on the objective lens and eyepiece surfaces. An assured field of view is provided in harsh environments such as snow-covered mountains, exposed coastlines, or under bad weather conditions.

