

Clifton Cameras Product Specification

Nikon Monarch M7 Binoculars Full Spec

	MONARCH M7 8x30	MONARCH M7 10x30
Magnification (x)	8	10
Objective diameter (mm)	30	30
Angular field of view (Real/degree)	8.3	6.7
Angular field of view (Apparent/degree)*¹	60.3	60.7
Field of view at 1,000m (m)	145	117
Field of view at 1,000 yd. (ft)	435	351
Exit pupil (mm)	3.8	3.0
Relative brightness	14.4	9.0
Eye relief (mm)	15.1	15.8
Close focusing distance (m/ft)	2.0/6.6	2.0/6.6
Length (mm/in.)	119/4.7	119/4.7
Width (mm/in.)	125/4.9	125/4.9
Depth (mm/in.)	48/1.9	48/1.9
Weight (g/oz.)	465/16.4	470/16.6
Interpupillary distance adjustment (mm/in.)	56-72/2.2-2.8	56-72/2.2-2.8
Type	Roof	Roof
Waterproof structure	Waterproof (up to 1m/3.3 ft. for 10 minutes)* ² , fogproof	Waterproof (up to 1m/3.3 ft. for 10 minutes)* ² , fogproof
	MONARCH M7 8x42	MONARCH M7 10x42
Magnification (x)	8	10
Objective diameter (mm)	42	42
Angular field of view (Real/degree)	8.3	6.9
Angular field of view (Apparent/degree)*¹	60.3	62.2
Field of view at 1,000m (m)	145	121
Field of view at 1,000 yd. (ft)	435	362



	MONARCH M7 8x42	MONARCH M7 10x42
(ft)		
Exit pupil (mm)	5.3	4.2
Relative brightness	28.1	17.6
Eye relief (mm)	17.1	16.5
Close focusing distance (m/ft)	2.5/8.2	2.5/8.2
Length (mm/in.)	142/5.6	142/5.6
Width (mm/in.)	130/5.1	130/5.1
Depth (mm/in.)	57/2.2	57/2.2
Weight (g/oz.)	670/23.6	680/24.0
Interpupillary distance adjustment (mm/in.)	56-72/2.2-2.8	56-72/2.2-2.8
Type	Roof	Roof
Waterproof structure	Waterproof (up to 1m/3.3 ft. for 10 minutes)* ² , fogproof	Waterproof (up to 1m/3.3 ft. for 10 minutes)* ² , fogproof

- *1 Apparent field of view is calculated based on the ISO14132-1:2002 standard
- *2 Not designed for underwater usage