



Nikon announces New Monarch 8x42, 10x42 and 12X42 DCF Binoculars

Sales start date: March 2010

Nikon is pleased to announce the introduction of the new Monarch 8x42, 10x42 and 12x42 DCF binoculars which add to the highly regarded Monarch DCF Series.

Renowned throughout the world for their outstanding optical performance, the new models have been updated to include a dielectric high-reflective multilayer prism coating, which assures a high light transmittance rate throughout the visible range, making these new models a perfectly comfortable option for low-light observations at dusk and dawn.

In addition to an improved exterior design, the binoculars waterproof capability has been extended to 10 minutes and eye relief for the new Monarch 10x42 DCF has been extended to 18.5mm, 3.0mm longer than the previous model for added comfort.

Key features

- Dielectric high-reflective multilayer prism coating assures uniform and high transmittance in full visible range for bright and natural colour images (Newly added)
- All lenses and prisms are multilayer-coated with higher quality coatings for the brightest images (Improved)
- Waterproof up to 1m/3.3ft for 10 minutes (Improved)
- New exterior design
- Phase-correction-coated roof prisms for high resolution
- High-eyepoint design provides a clear field of view, even for eyeglass wearers
- Close focusing distance: 2.5m
- Eco-glass optics that are free of lead and arsenic are used for all lenses and prisms
- Turn-and-slide rubber eyecups facilitate easy positioning of eyes at the correct eyepoint
- Rubber armoring for shock resistance and a firm, comfortable grip
- Lightweight body made of fibreglass-reinforced polycarbonate resin
- Can be fixed to a tripod using optional tripod adaptor

Specifications

Product Name	Monarch 8x42 DCF	Monarch 10x42 DCF	Monarch 12 x 42DCF
Magnification	8	10	12
Objective diameter (mm)	42	42	42
Angular field of view (real / degree)	6.3	5.5	50
Angular field of view (apparent / degree)	47.5	51.3	55.3
Field of view at 1000m	110	96	87
Exit Pupil (mm)	5.3	4.2	3.5
Relative brightness	28.1	17.6	12.3
Eye relief (mm)	19.6	18.5	15.4
Close focusing distance (m)	2.5	2.5	2.5
Weight (g)	610	620	620
Interpupillary distance adjustment (mm)	56-72	56-72	56-72
Length (mm)	146	146	146
Width (mm)	129	129	129
Thickness (mm)	53	53	53