

The Fujinon 8x50 FMTR D/N.



Perfect vision – day or night.

 **FUJINON**



High-resolution 8x magnification day and night.

The professional view.



The Fujinon 8x50 FMTR D/N (Day & Night) combines top-quality binoculars with a binocular night-vision instrument. It features two sets of interchangeable oculars, specially developed for day and night-time use. It is no longer necessary to carry two different sets of binoculars. One pair suffices—a welcome weight reduction that gives unparalleled flexibility for a wide range of applications.

The oculars are fastened by a bayonet mount and can be exchanged in seconds whenever necessary. Thanks to its flexibility in day and night-time use, its 8x magnification and its rugged design, the Fujinon 8x50 FMTR D/N is ideal for applications in the security sector, for rescue and special missions, for marine and professional shipping customers, military observations and border surveillance. Fujinon. To see more is to know more.

- High-resolution 8x50 binoculars and binocular night-vision instrument in one
- Interchangeable oculars for day and night-time use, quick and easy to exchange
- Exceptionally bright and clear image, absolutely sharp edges
- 8x magnification for distance observations at any time of the day or night
- 50 mm objective lenses for unusually good brightness
- Optics developed specially for use with image intensifiers
- Excellently crafted, rugged design, 100% watertight



Reliable technology for challenging applications.

The Fujinon 8x50 FMTR D/N complies in every respect with the tough specifications of the US military relating to impact resistance and waterproofness. The flat field technology facilitates unbeatable sharpness right to the edges of the image. The large eye relief of 25 or 31 mm permits the binoculars to be used with spectacles as well as with a mask or face shield.



Excellent vision.

50 mm objective lenses permit a high incidence of light with up to 90% light transmission in the visible spectrum. The results for distance observations are breathtaking. The use of night oculars with integrated, electronic image intensifiers transforms these binoculars into a full-blown, binocular night-vision instrument. Their high-quality optics were developed specifically to interact with the



latest image intensifier technology: they produce a clear and bright image, rich in detail, with a resolution of up to 80 line pairs per mm. Even the minutest details are revealed with 8x magnification. In addition, the binocular optics improve your three-dimensional perception.

Image intensifiers for nighttime use.

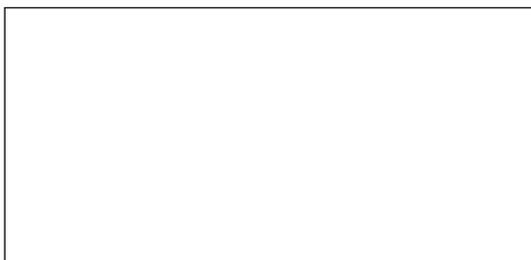
The Fujinon 8x50 FMTR D/N is compatible with a variety of image intensifier types. A high-end image intensifier

should be preferred for professional applications, in order to exploit the huge potential of the optics to the full. Please consult our separate fact sheet for further information about available image intensifier models. Remember that exports of the Fujinon 8x50 FMTR D/N with image intensifiers may be subject to special restrictions: the obligation to procure an export license is the responsibility of the exporter.

Technical data

Fujinon 8x50 FMTR D/N	Day setting	Night setting
Magnification	8x	8x
Objective lens diameter (mm)	50	50
Eye-relief (mm)	31.1	24.5
Angle of view	6.4°	4.5°
Field of view over 1,000 m (m)	112	79
Exit pupil (mm)	6.25	-
Relative brightness	39	-
Interpupillary distance (mm)	60 – 74	60 – 74
Length (mm)	238	251
Max. width (mm)	219	219
Min. height (mm)	82	82
Weight (kg)	1.9	2
Waterproof	YES	YES
Batteries	Not required	2x CR123A

Suitable for second and third-generation image intensifier tubes, XD4, XR5, Hyper Gen, Extended Hyper Gen, etc.
Please request further information from Fujinon.



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