

Fujinon binoculars



FUJINON



On water, on land, or in the air: Fujinon binoculars are always in their element

Top quality and reliability for professional use

Since 1947 Fujifilm has been producing high-grade binoculars which turned into indispensable tools for professional users worldwide. Featuring unique details like image stabilization, image intensifiers, special coating technologies for brilliant and sharp images and rugged mechanics, these binoculars represent superior manufacturing standards and innovative design from Japan's leading optical company.

Nowadays Fujinon binoculars and night vision devices are the standard law enforcement equipment for many governmental clients like the navy, ground or air forces, special police units,

regular police forces, research institutions, but also security companies and industrial clients. If it's homeland security, law enforcement, a job in some remote desert mountains or outer space, Fujinon binoculars travel all around the globe. www.fujifilm.eu/fujinon

Fujinon. To see more is to know more.



Always in the picture – even in darkness

During daytime long-range vision is a standard tool for remote surveillance, but standard night vision devices do not offer the same range and optical resolution. By combining Fujinon's spectacular optical quality with Europe's top class Photonis XD 4 and autogated XR5 image intensifiers we are proud to extend the night vision detection and identification range to levels never reached before. The excellent mechanical workmanship of our Day+Night binoculars maintains their shock resistance and waterproofness to allow permanent use under tough conditions. Their exchangeable day and night eyepieces expand their versatility to full 24/7 operations.

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Essential on board

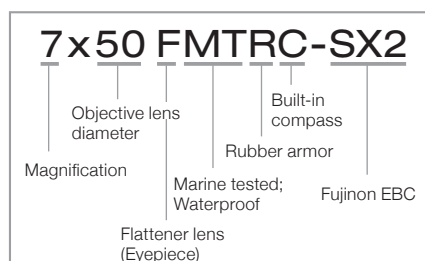
The binoculars of the professional Fujinon FMT series. Your perfect companions at sea

- ▶ Sailing
- ▶ Commercial and cargo ships
- ▶ Police, navy and rescue services



The FTM series in detail

- ▶ Innovative unique optical design with built-in image field flattener for an unsurpassed field sharpness
- ▶ Patented Fujinon Electron Beam Coating (EBC) for maximum light transmission (>90%) and a long life time even under harsh environmental conditions
- ▶ The 7x50 FMTRC-SX2 comes with damped precision compass showing 1° divisions
- ▶ Very tough rubber-covered aluminium body
- ▶ Large eye relief for comfortable extended viewing
- ▶ Weather resistant and shockproof body
- ▶ Excellent resolution, up to 16x magnification
- ▶ Equipped with case, lens caps and carrying strap



Technical data	7x50 FMTR-SX2	7x50 FMTRC-SX2	10x50 FMTR-SX2	10x70 FMT-SX2	16x70 FMT-SX2
Magnification	7x	7x	10x	10x	16x
Objective diameter (mm)	50	50	50	70	70
Eye relief (mm)	23	23	19.8	23	15.5
Field of view	7° 30'	7° 30'	6° 30'	5° 18'	4°
Field of view at 1,000 m (m)	131	131	113	93	70
Exit pupil (mm)	7.1	7.1	5.0	7.0	4.4
Twilight factor	18.7	18.7	22.4	26.5	33.5
Adjustment range for interpupillary distance (mm)	56 – 74	56 – 74	56 – 74	56 – 74	56 – 74
Dimensions WxH (mm)	218 x 198	218 x 196	218 x 191	238 x 280	238 x 270
Weight (kg)	1.41	1.46	1.43	1.93	1.92

For pure pleasure on the water

The floatable Marine binoculars of the Fujinon WPC series. Ideal for water activities

- ▶ Sailing
- ▶ Fishing
- ▶ Water sports



The WPC series in detail

- ▶ The WPC models have a precision compass with integral illumination: 360° compass rose and 1° scale
- ▶ Large 50 mm objectives for maximum light power bring every detail close to you with precision
- ▶ All models come supplied with permanently attached lens covers for the eyepieces and objective to prevent scratches and keep out dirt, as well as a floating neck strap in bright signal colours
- ▶ The comfortable 18 mm eye relief makes them suitable for eye-glass wearers
- ▶ Thanks to the multi-coated optics you will achieve outstanding image quality over the full glass surface
- ▶ Due to the ultra-light floatable body made of polycarbonate, even if they fall into the water without the floating neck strap, they will always stay afloat



Technical data	7x50WPC-XL 	7x50WP-XL 
Magnification	7x	7x
Objective diameter (mm)	50	50
Eye relief (mm)	18	18
Field of view	7°	7°
Field of view at 1,000 m (m)	122	122
Exit pupil (mm)	7.1	7.1
Twilight factor	18.7	18.7
Adjustment range for interpupillary distance (mm)	56–72	56–72
Dimensions WxHxD (mm)	201 x 180 x 76	201 x 180 x 76
Weight (g)	910	910
Compass accuracy	±5°	–

More fun in sight on the water

The binoculars of the Fujinon KF-series. Waterproof and impact-resistant – ideally suited for marine use

- ▶ Sailing
- ▶ Water sports
- ▶ Outdoor activities



The KF series in detail

- ▶ Professional roof prism binoculars for rapid, simple and comfortable observation in almost any situation
- ▶ The nitrogen filling prevents the binoculars from fogging inside and also avoids the formation of condensation
- ▶ Handy, robust, long-lived: The binocular sits perfectly in your hands and is extremely resistant to impacts thanks to the high-quality aluminium housing
- ▶ Multicoating protects the lenses against outside influences and makes it easier to clean them
- ▶ Thanks to the precise central focusing it is possible to easily bring details into sharp focus with just a small movement of the finger (except KF 7x28H)
- ▶ The rubber armouring that resists the most aggressive contaminants is easy to hold even in hot, cold or rainy conditions
- ▶ High-quality technologies and phase-coated prisms provide an optical treat with bright and sharp images that reveal the smallest detail



Technical data	 KF 8x32W	 KF 10x32W	 KF 8x42H	 KF 10x42H	 KF 7x28H
Magnification	8x	10x	8x	10x	7x
Objective diameter (mm)	32	32	42	42	28
Eye relief (mm)	14.5	14.5	18	13	15
Field of view	7.5°	6.5°	7.5°	6°	7.3°
Field of view at 1,000 m (m)	131.1	113.5	131	105	128
Exit pupil (mm)	4.0	3.2	5.25	4.2	4
Twilight factor	16	17.8	27.6	17.6	14
Minimum focus (m)	2.5	2.5	2.5	2.5	5
Adjustment range for interpupillary distance (mm)	58–72	58–72	5–74	56–74	58–70
Dimensions WxHxD (mm)	131 x 139 x 53	131 x 139 x 53	137 x 147 x 55	137 x 143 x 55	113 x 121 x 39
Weight (g)	470	480	670	670	340

Fascinating views with no jittering

The image-stabilised Techno-Stabi from Fujinon. Enjoy a rock-steady view

- ▶ During long periods of hand-held observation
- ▶ While out at sea
- ▶ When observing from moving cars or helicopters





The Techno-Stabi in detail

- ▶ Central focusing to get a sharp image quickly
- ▶ Opto-electronic image stabilization with excellent vibration suppression
- ▶ Powerful objective lenses, multi-coated optics and phase coated prisms for maximum image quality
- ▶ A 14fold magnification brings far away boats and other objects very close retaining maximal accuracy
- ▶ Large, light collecting lenses and optics layered with multiple coats provide a bright lookout even in dim light

The Stabiscopes in detail

- ▶ Gyroscopic image stabilization with unsurpassed vibration suppression on moving vehicles and helicopters
- ▶ Maximum stabilization range of $\pm 5^\circ$ in all directions
- ▶ Multi-coated optics for a sharp, high resolution image
- ▶ Extremely tough to protect against impacts and scratching
- ▶ Low-consumption power supply either via batteries or external DC regulator
- ▶ Available with optional image intensifier



Technical data	TS14x40	S12x40	S16x40
Magnification	14x	12x	16x
Objective diameter (mm)	40	40	40
Eye relief (mm)	13	17	12
Field of view	4°	4.7°	3.4°
Field of view at 1,000 m (m)	70	82	60
Exit pupil (mm)	2.86	3.3	2.5
Twilight factor	23.7	21.9	25.3
Minimum focus (m)	5	–	–
Adjustment range for interpupillary distance (mm)	60–70	60–70	60–70
Dimensions WxHxD (mm)	186 x 148 x 86	200 x 210 x 90	200 x 210 x 90
Weight (g)	1.3	1.8	1.8
Stabilisation range	$\pm 5^\circ$	$\pm 5^\circ$	$\pm 5^\circ$
Battery	4x 1.5V manganese alkaline Mignon	4x Mignon or 1x 2CR5	4x Mignon or 1x 2CR5
Waterproof	–	yes	yes

Simply the biggest

The giant binoculars of the LB 150 series from Fujinon.
The first choice for all who wish to conquer extreme distances





- ▶ Border surveillance
- ▶ Coast guard
- ▶ Military application
- ▶ Astronomy



The LB 150 series in detail

- ▶ All models are characterized by their contrast-optimized tubes and high-quality finish
- ▶ Rigid construction: housing completely waterproof, weatherproof and corrosion-resistant
- ▶ Up to 40x magnification for high resolution at long distances
- ▶ The large binoculars of the ED-versions are fitted with a 45° viewing eyepiece for relaxed observation
- ▶ Optional mount and tripod available
- ▶ As binoculars, the precision lenses allow vision with both eyes and thus a spatial image impression
- ▶ Excellent visibility at dusk and at night
- ▶ Maximum image brightness due to 150 mm aperture and Electron Beam Coated optics



Technical data	 25x150 MT-SX	 25x150 ED-SX	 25x150 EM-SX	 40x150 ED-SX
Magnification	25x	25x	25x	40x
Objective diameter (mm)	150	150	150	150
Eye relief (mm)	19	19	19	15
Field of view	2.7°	2.7°	2.7°	1.7°
Field of view at 1,000 m (m)	47	47	47	30
Exit pupil (mm)	6.0	6.0	6.0	3.8
Twilight factor	61.2	61.2	61.2	77.5
Dimensions W x H (mm)	365 x 962	365 x 962	365 x 955	365 x 960
Weight (kg)	18.5	18.5	19.5	18.5

The 25x150ED-SX model is available with night vision image intensifiers. Day Eyepiece and night Eyepiece are exchangeable. ED Extra-low Dispersion lenses, EM 45° inclined viewing, Extra-low Dispersion lenses. Further information can be supplied on request.

Perfect view at day and night



The Day + Night binoculars from Fujinon offer sharp and bright pictures -at every application and at any time

- ▶ Replaceable day and night eyepieces
- ▶ Powerful image intensifier tubes from Photonis
- ▶ For 24 hours applications on land and at sea
- ▶ Police and security sector
- ▶ Marine and professional shipping
- ▶ Long range observation
- ▶ Border control and coast guard

8x50 FMTR Day/Night

- ▶ Built-in image flattener for excellent image sharpness during night and day applications
- ▶ Robust rubber armoring for better grip and handling even under wet conditions
- ▶ Highest image quality and luminous intensity at maximum edge sharpness
- ▶ Ergonomic body for hands-free use
- ▶ Waterproof, nitrogen filled





Stabiscope S12x40 Day/Night

- ▶ Maximum stabilization range of $\pm 5^\circ$ in all directions
- ▶ Extremely tough body to protect against impacts and scratching
- ▶ Stable handle for use even with gloves on
- ▶ Ergonomic body – ideal for hand-held use
- ▶ Low-consumption power supply either via batteries or external DC regulator

25x150 ED-SX Day/Night

- ▶ Thanks to the electron beam coating (EBC) the ED optics offers a maximum of transmission and stray light suppression by day and night
- ▶ The large 150 mm apochromatic ED lenses offer maximum image brightness
- ▶ For 24 hours applications on land and at sea
- ▶ The waterproof, seawater-resistant body allows using these powerful binoculars under any weather conditions
- ▶ Salt water resistant body



Technical data	8 x 50 FMTR D/N Day	8 x 50 FMTR D/N Night	S12x40D/N Day	S12x40D/N Night	25 x 150 ED Day	25 x 150 ED Night
Magnification	8x	8x	12x	12x	25x	25x
Objective diameter (mm)	50	50	40	40	150	150
Eye relief (mm)	31.1	24.5	17	11.5	18.6	24.5
Field of view	6.4°	4.5°	4.7°	4.2°	2.7°	1.4°
Field of view at 1,000 m (m)	112	79	82	73	47	24.4
Exit pupil (mm)	6.25	–	3.3	3.3	6	–
Twilight factor	39	–	–	–	–	–
Adjustment range for interpupillary distance (mm)	60–74	60–74	60–70	60–70	60–70	60–70
Minimum focus (m)	–	–	–	–	Approx. 210	Approx. 300
Dimensions W x H x D (mm)	238 x 219 x 82	251 x 219 x 82	220 x 200 x 90	240 x 200 x 90	365 x 970 x 525 (with Mount)	365 x 970 x 525 (with Mount)
Weight (kg)	1.9	2.0	1.8	2.0	20	20
Waterproof	yes	yes	Splash Water	Splash Water	–	–
Battery	not required	2x CR123A	4x Mignon or 1x 2CR5	4x Mignon or 1x 2CR5	not required	CR123A
Twilight factor	–	–	21.9	21.9	61.2	–
Stabilisation range	–	–	$\pm 5^\circ$	$\pm 5^\circ$	–	–



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