

At home in all seas:  
Marine binoculars from Fujinon



**FUJINON**



## Worldclass technologies for a stable view in each swell

### Gyroscopical Image Stabilization

Fujinon brought stabilized binoculars to perfection – the Stabiscoopes offer stable vision from any kind of vehicle, regardless if it is a helicopter, all-terrain vehicle or speedboat. The outstanding performance of the reliable mechanics and precision-made optical system allow brilliant handheld views at 12x and 16x magnifications. A Day+Night version with high-grade Photonis image intensifiers is available, too. The Stabiscoopes' technological predominance has turned them into a world-wide reference for stabilized binoculars. They are preferred by air force units, special police forces, SAR units and customs service. Even NASA is using them in its space program.

### Opto-electronical Image Stabilization

As image stabilization expert Fujinon has also reached an unsurpassed performance level for opto-electronical image stabilization. The third-generation Techno-Stabi allows a  $\pm 5^\circ$  compensation range not reached by any other competing system. The compact design and outstanding ergonomics have turned them into a valuable tool for police forces, navy units and other users in motion. They are perfectly suited to compensate the vibrations of a car or the influence of poor roads despite the high 14x optical magnification for outdoor use.

### Day+Night Binoculars

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 XR 5 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 mil-spec 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.

### Export Licensing

Please note: All Fujinon night vision binoculars and binoculars equipped with reticle or laser-protection filter are subject to export licensing. The night vision devices are sold to governmental clients or dedicated industrial security departments only. Fujifilm Europe can provide support for those end users who need to prepare the proper export licensing documents.

About 70 % of the earth is covered with water – discover each of them

With a professional binocular from Fujinon

Since 1947 Fujinon 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](http://www.fujifilm.eu/fujinon)  
Fujinon. To see more is to know more.



Marine Tested

Fujifilm binoculars with the designation MT are “Marine Tested”. This means that Fujinon guarantees the corresponding models were developed to meet the extremely tough guidelines of the US military. They are 100 % waterproof and impact-resistant. The lightweight aluminium body and the special coating of the lenses and prisms ensure perfect observations even under the hardest conditions.

High-precision Compass

(FMTRC-SX, MTRC-SX)

View of the scale inside the compass

The 7x50 FMTRC-SX and MTRC-SX are equipped with a high-precision compass (±0.5° error). Using the scale, you can measure the direction, distance, and size of the target object.



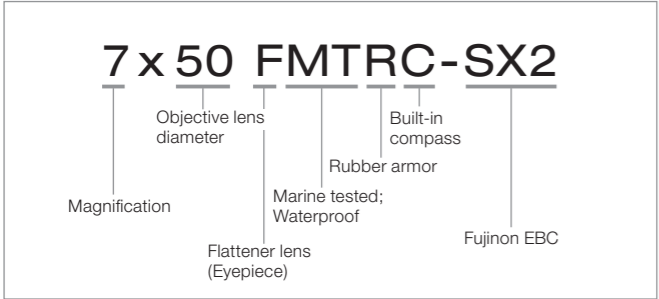
(Direction)  
90° = East  
180° = South  
270° = West  
360° = North

EBC Coating

Fujinon optimised the art of proper coating. Our patented Electron Beam Coating (EBC) sets a top-class standard for optical multilayer coating hard to exceed by anyone else. Each optical surface can be coated to transmit more than 99 % of the incoming light. This can be achieved by carefully selecting very specific different coating materials and evaporating them by using an electron-beam gun generating very selected temperatures and layer-thicknesses. Independent test reports repeatedly put Fujinon ahead of any other competitor. Other big advantages of this technology are the dramatically increased durability and toughness. Even an extended exposure to saltwater does not do any harm, because of the EBC coating.

Flat-field Eyepieces

The Fujinon FMT series are equipped with patented flat-field eyepieces which offer a totally sharp wide-angle view of the entire field-of-view. Next to the superior image quality this feature also allows long and extensive observing sessions without any fatigue – a detail highly appreciated especially by police investigators, border guard units and others.



7x50 WPC-XL/ WP-XL

Lightweight and robust polycarbonate construction. These Marine binoculars are the most reliable companion for various marine-leisure activities. They were developed primarily for use on vessels, featuring waterproofing, light weight and robustness. These low price, but high performance, binoculars will play an active role not only at sea, but in any field. The binoculars are charged with nitrogen gas for a completely waterproof structure. Attaching the specially designed floating strap (included) will prevent your binoculars from sinking, even if you should drop the binoculars into the water.

Giant Binoculars

The giant binoculars from Fujinon are among the most powerful binoculars in the world. Lenses with the enormous diameter of 150 mm and the high resolution optics ensure absolutely bright and sharp images in which every detail can be seen even at very long distances. The high-quality Extra Low Dispersion optics, which can easily be recognised from the ED type designation, also reduce any possible colour errors and chromatic aberration to an absolute minimum. It is even precise in cases where high magnifications are required, which is a decisive advantage. All the large binoculars are of course fully waterproof and weatherproof for outdoor use.

Sophisticated Testing Procedure

At Fujifilm’s test laboratories a variety of conditions can be simulated that put stress on binoculars. Mechanical shock, waterproofness, dustproofness and temperature ranges can be tested either to the world’s common military specifications or individual specifications defined by our clients. Our wide experience in this professional field give us confidence to meet even the most critical demands.

Service

At Fujifilm Europe a fully-equipped service department is available which can handle all kinds of optical, mechanical or electronic repairs related to our binoculars or night vision devices. With a huge number of spare parts in stock Fujifilm Europe can ensure proper warranty handling for all warranty periods available (2 – 30 years depending on model). The service department also offers extensive maintenance training to the related military or police units if required.

Fujinon Marine Binoculars

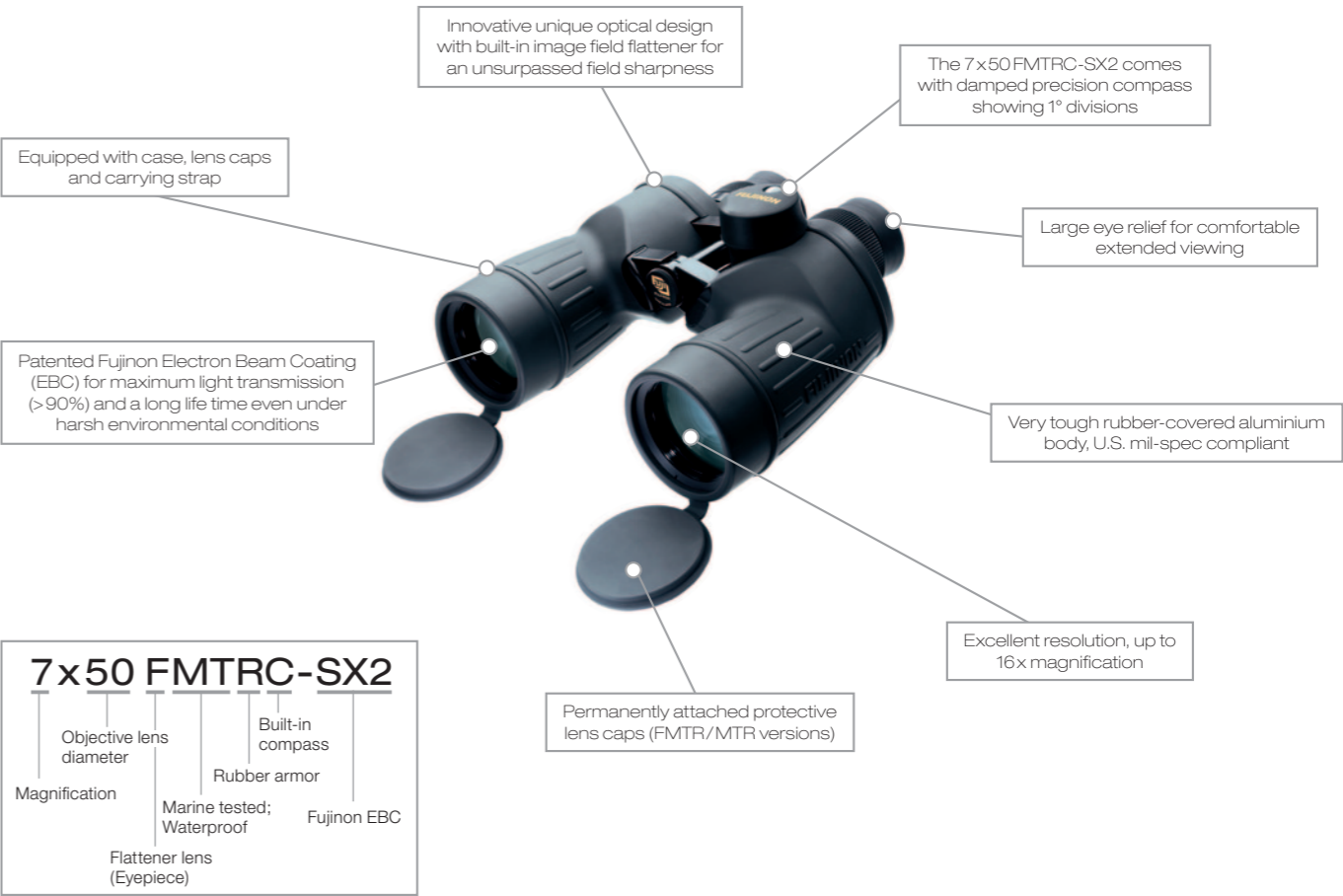
▶ MT/FMT series	6
▶ WP/WPC series	8
▶ KF series	10
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# Essential on board

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

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



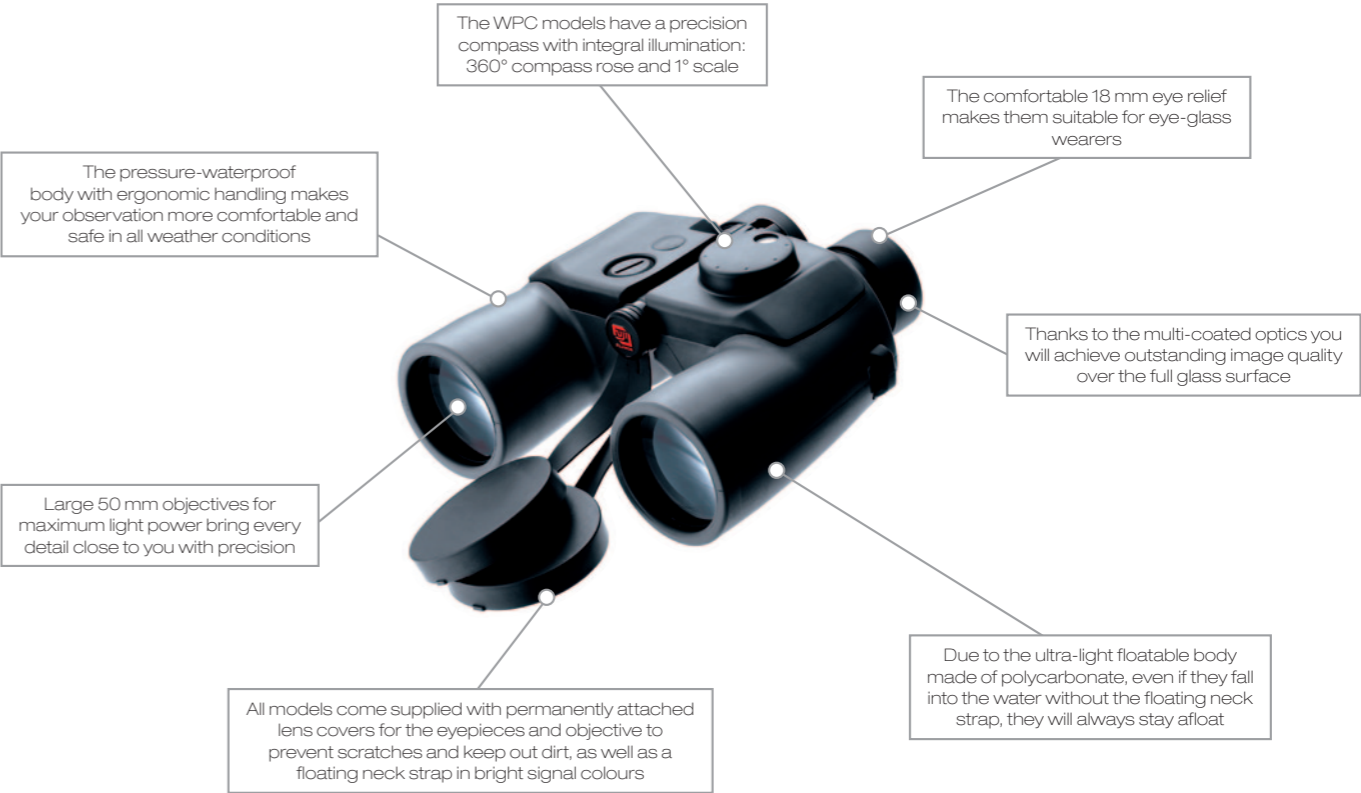
Technical data	7x50 FMT-SX2	7x50 FMTR-SX2	7x50 FMT-SX2	10x50 FMT-SX2	10x50 FMTR-SX2	10x70 FMT-SX2	16x70 FMT-SX2
Magnification	7x	7x	7x	10x	10x	10x	16x
Objective diameter (mm)	50	50	50	50	50	70	70
Eye relief (mm)	23	23	23	19.8	19.8	23	15.5
Field of view	7° 30'	7° 30'	7° 30'	6° 30'	6° 30'	5° 18'	4°
Field of view at 1,000 m (m)	131	131	131	113	113	93	70
Exit pupil (mm)	7.1	7.1	7.1	5.0	5.0	7.0	4.4
Twilight factor	18.7	18.7	18.7	22.4	22.4	26.5	33.5
Adjustment range for interpupillary distance (mm)	56–74	56–74	56–74	56–74	56–74	56–74	56–74
Dimensions WxH (mm)	218 x 196	218 x 198	218 x 196	218 x 191	218 x 191	238 x 280	238 x 270
Weight (kg)	1.38	1.41	1.46	1.40	1.43	1.93	1.92

The 7x50MT-SX, 7x50MTR-SX, 7x50MTRC-SX and 10x70MT-SX are available without field flattener. Optional extra filters are also available.

# For pure pleasure on the water

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

- Sailing
- Fishing
- Water sports



Technical data	7x50WPC-XL	7x50WPC-CF
Magnification	7x	7x
Objective diameter (mm)	50	50
Eye relief (mm)	18	22
Field of view	7°	7.2°
Field of view at 1,000 m (m)	122	126
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)	200 x 178 x 76	203 x 158 x 75
Weight (g)	910	1,200
Compass accuracy	±5°	±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



Professional roof prism binoculars for rapid, simple and comfortable observation in almost any situation

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 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

High-quality technologies and phase-coated prisms provide an optical treat with bright and sharp images that reveal the smallest detail

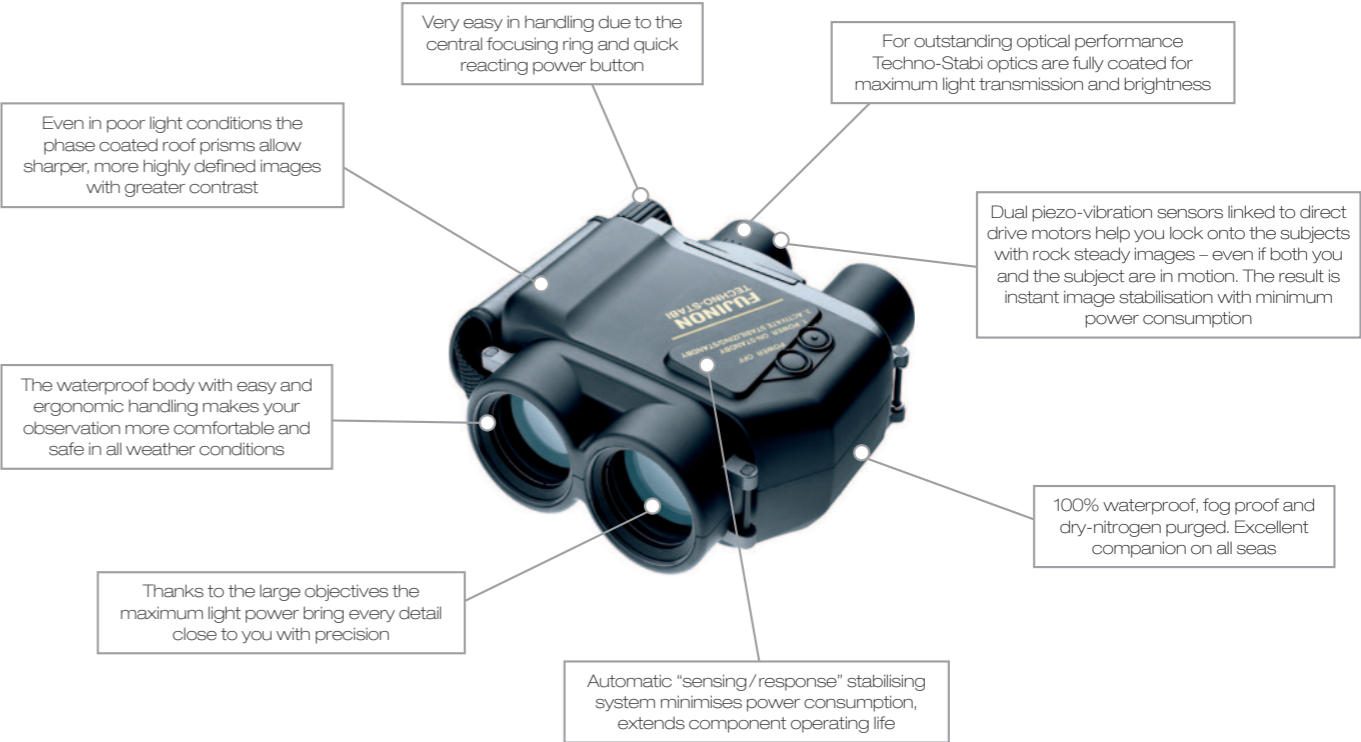
The rubber armouring that resists the most aggressive contaminants is easy to hold even in hot, cold or rainy conditions



Technical data	 KF 8x32W	 KF 10x32W	 KF 8x42W	 KF 10x42W	 KF 7x28H
Magnification	8x	10x	8x	10x	7x
Objective diameter (mm)	32	32	42	42	28
Eye relief (mm)	14.5	14.5	18	15	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	5.3	4.2	4
Twilight factor	16	17.8	18.3	20.4	14
Minimum focus (m)	2.5	2.5	2.5	2.5	5
Adjustment range for interpupillary distance (mm)	58–72	58–72	58–72	58–72	58–70
Dimensions WxHxD (mm)	131 x 139 x 53	131 x 139 x 53	138 x 164 x 59	138 x 164 x 59	113 x 121 x 39
Weight (g)	470	480	850	850	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

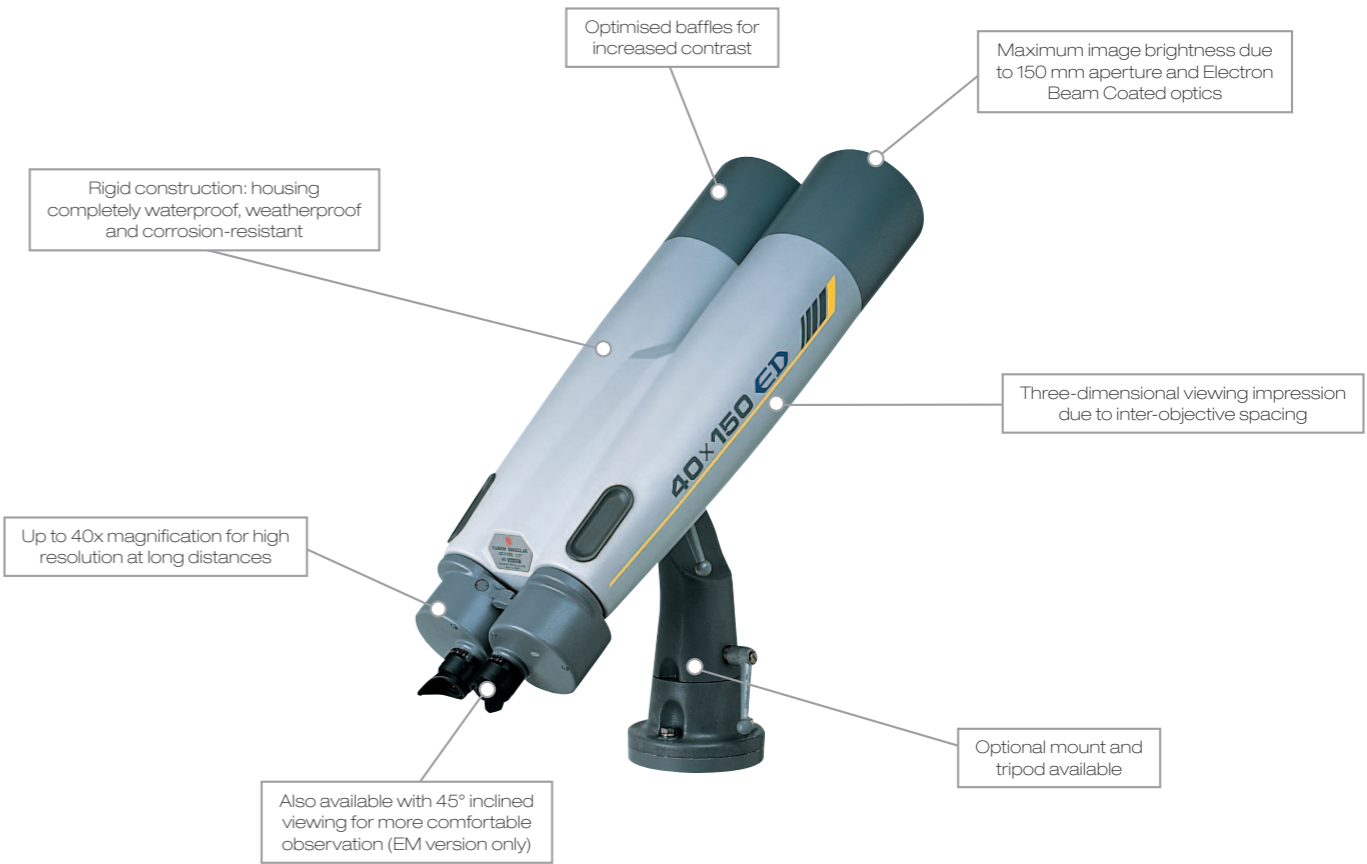





Technical data	TS12x32/2 mode 	TS14x40 
Magnification	12x	14x
Objective diameter (mm)	32	40
Eye relief (mm)	15	13
Field of view	5°	4°
Field of view at 1,000 m (m)	87.5	70
Exit pupil (mm)	2.67	2.86
Twilight factor	19.6	23.7
Minimum focus (m)	3.5	5
Adjustment range for interpupillary distance (mm)	53 – 74	60 – 70
Dimensions WxHxD (mm)	177 x 141 x 79	186 x 148 x 86
Weight (g)	1,070	1,300
Stabilisation range	±3°	±5°
Battery	4 x 1.5V manganese alkaline Mignon	4 x 1.5V manganese alkaline Mignon

# 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



					
Technical data	25x150 MT-SX	25x150 ED-SX	25x150 ED-SX D/N	25x150 EM-SX	40x150 ED-SX
Magnification	25x	25x	25x	25x	40x
Objective diameter (mm)	150	150	150	150	150
Eye relief (mm)	19	19	19	19	15
Field of view	2.7°	2.7°	1.4°	2.7°	1.7°
Field of view at 1,000 m (m)	47	47	24.4	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 962	365 x 955	365 x 960
Weight (kg)	18.5	18.5	20	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.



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