FUJIFILM
Value from Innovation



The new standard in optics

FUJINON

Binoculars Catalog



Choosing the right binoculars

Magnification & Aperture

16 × 50

Magnification — Aperture = diameter (mm) of the object lens

A larger aperture lets in more light, allowing a brighter image. Binoculars with a smaller aperture are more compact.

Comparison by aperture for binoculars with 16x magnification



Large aperture (16×70)



Small aperture (16×28)

Magnification, Field of View & Image Vibration

A high magnification binocular allows the user to see an object from a long distance. It also causes a narrow field of view (FOV): the visible area seen through the binoculars. A narrow FOV is more prone to image vibration, and makes it harder to spot targets. To spot a target, start by using a binocular with a lower magnification and a wider FOV. Our wide-angle 10x50 FMTR model can give a better FOV, while the TECHNO-STABI Series can reduce vibration.

10×50FMTR-SX



Provides a wide, bright view.

TS12×28WP



Vibration-Correction can be switched on for a steadier image.

Symbols of features

CF: Center Focus

The focus of both the left and right side can be adjusted by turning one dial.

IF: Indvidual Focus

The focus is adjusted by turning the dioptric adjustment rings on each eyepiece.

Field flattener lenses

These lenses provide a sharp view with no distortion, all the way to the corners.

ED lenses

These lenses have special glass with a low refractive index, reducing chromatic aberration for a clear view.

EBC Multi-coating

This coating increases light transmittance for bright, natural color reproduction.

Wide-angle type

These binoculars have a larger angle to capture a wider apparent field of view.

FUJINON Binoculars

A legacy that strives for professionalism and advancement in technology.

Since the sale of our very first Fujinon Binocular in 1947, the superior optical performance of our products has earned us loyal and dedicated customers.

Our professional users chase schools of fish from atop rough ocean waves during the day, and chase comets in the sky at night.

Our products provide the optical performance, reliability, durability, and user-friendly features necessary to get the job done.

Fujinon Binoculars combine the latest in electronic and optical technology to provide vivid, bright, and precise optics.

Binoculars to suit your needs

Use	Point to choose	Series							
		TECHNO-STABI			HYPER-CLARITY	MARINER	FMT/MT	LB150	STABISCOPE
		TS-L 1640 TS-L 2040	TS-X 1440	TS12×28WP TS16×28WP					
Theater/Concert Sports	Light weight								
Bird watching Outdoor	Light weight Wide field of view High maginification								
Marine sports Safari Tour	Water-proof Image stabilization								
Stargazing and nature observation	Large diamter, brightness Water-proof Wide field of view								
Professional Observation/ Surveillance	Large diamter, brightness Water-proof Durability								

Rubber coating

The body is coated in rubber, making the binoculars easier to hold.

Image Stabilization

Fujinon's unique stabilization technology minimizes vibration to secure a clear image at a high magnification.

Waterproof

These binoculars are airtight and nitrogenpurged.

Compass

The compass is used to identify direction.
The internal scale can be used
to measure distance or target size.



Proven Performance and Image Stabilization

TECHNO-STABI series

High-magnification image-stabilized binoculars equipped with ED lenses, allowing for brighter and clearer observation of distant objects.

- Highest level of magnification in the “FUJINON TECHNO-STABI Series”.
- The image stabilization system with a correction angle of ±3° allows users to see athletes and performers’ faces clearly during sports events or music concerts in large venues.
- These binoculars feature ED lenses (extra-low dispersion glass) to reduce axial chromatic aberration for long distance subject observation.
- Despite of its large-diameter binoculars with 40mm objective lenses, they achieve a lightweight design at approximately 856g (TS-L 1640) and approximately 853g (TS-L 2040).
- The external design is highly matched with the sophisticated and high-quality “X Series” mirrorless digital cameras. Carrying these binoculars alongside a digital camera accentuates their stylish design.
- Both a hand strap and a neck strap are included in the box. These accessories allow users to choose the best option for different situations. The hand strap can be attached to either the left or right side.



TS-L 1640



TS-L 2040

▸ TS-L 1640
▸ TS-L 2040



付属品 Bundled items: Lens cap, eyepiece caps, case, hand strap, neck strap and 2 AAA alkaline batteries.



Long battery Life up to 30 hours with AAA battery × 2



Waterproof to a depth of 1m for up to 30 minutes



The bottom surface has a fine convex shape that is difficult to slip on.



The TS-X comes with our strongest vibration-correction system for a steady view in bumpy conditions.

- Class-Leading image stabilization* at ±6°
  Provides a stress-free experience in cars, boats, and other bumpy transportation.
- The latest image stabilization system works at high magnification levels, making it easy to adjust the focus without losing sight of your target.
- Enables a steady image at 14x magnification without a tripod - impossible in binoculars without vibration correction.
- Waterproof and user-friendly design, making these binoculars the perfect companion in a wide range of settings that include marine sports, safaris, professional fishing, and sailing.

*According to September 2019 research conducted by Fujifilm on vibration-correcting binoculars.

TS-X



TS-X 1440 (14×40)

▸ TS-X 1440

Bundled items: Lens cap, eyepiece caps, case, strap and 4 AA alkaline batteries.



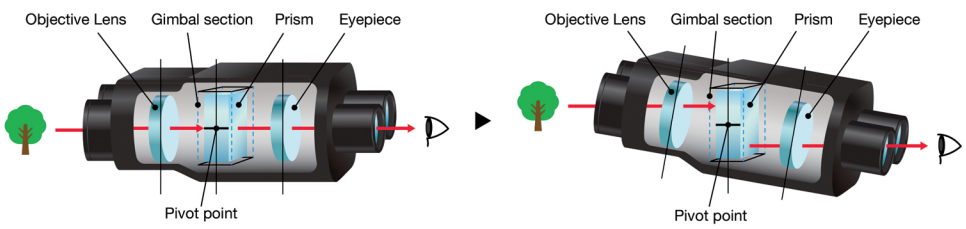
TS-X 1440 Yellow



TS-X 1440 Navy

The world's first electronic gyro stabilizing system for binoculars

The erect prism in the gimbal system is constantly stabilized when the electronic gyro sensor detects vibration, providing vibration correction at a wider range of angles than any other system.





WATERPROOF

The TECHNO-STABI Compact Waterproof series comes with a high magnification vibration correction feature, providing a steady image at 12x and 16x.

- Compact and lightweight with a stabilization correction of ±3 degrees.
- Ideal in a variety of settings, including concerts, theme parks, marine leisure, and bird-watching.
- Stabilization activates with a shift switch, providing effortless control during prolonged use.
- Provides sharp image at a high magnification without the use of a tripod.

▸ TS12×28WP
▸ TS16×28WP

Bundled items: Eyepiece cap, soft-case, neckstrap and CR2 lithium battery.



TS12×28WP



TS16×28WP

30H

Long battery Life up to 30 hours with CR2 lithium battery

IPX7

Waterproof to a depth of 1m for up to 30 minutes





Clear view ahead

HYPER-CLARITY series

Discover what has yet to be seen with hyper-clear field of view.

- Superb light transmission due to Fujifilm's unique SUPER EBC FUJINON multi-coating on all light-transmitting surfaces including the lens elements and prisms.
- The ED lens elements effectively control the chromatic aberration and prism coating for a superior image resolution as well as contrast. This also allows for a much brighter field of view.
- The placement of nine lens elements in seven groups controls distortion across the entire view from the center to the edges.
- Water and fog proof structure*1 housed in a robust magnesium-alloy body. Water-repellant coating on both objective lenses and eyepieces.
- Optical filters*2 such as PL filters and nebula filters are usable by fitting these into the front side of objective lenses.
- Premium design features such as metal texturing amplifies users' senses and operability.
- A slip-resistant elastomeric material and ergonomically-engineered easy-grip body shape allow for excellent stability when held in your hand.
- Long eye-relief for easy use even when wearing glasses.

*1 1m-5min. Not to be used underwater. *2 M46×0.75



HC 8×42

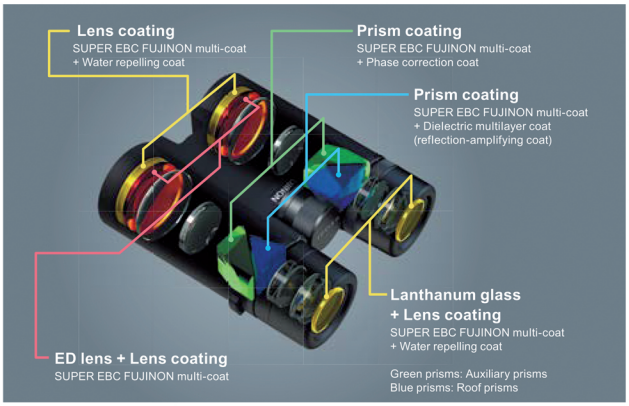
▸ HC 8×42
▸ HC 10×42



HC 10×42



Bundled items: Objective lens caps, Eyepiece caps, Carrying case, and Neck strap





Contrast-rich image



Tested and proven image stabilization for when it matters most

STABISCOPE series

The gyroscopic stabilization of the STABISCOPE series absorbs the greatest vibrations in the harshest conditions.

- The gyro effect created by the flywheel absorbs the vibration up to ±5° like that of moving vehicles, helicopters and boats and maintains a steady view.
- All lenses and the prisms have a high-quality EBC multi-coating, increasing light permeability for bright, natural color reproduction.
- Strong and corrosion resistant for use in harsh conditions from -20°C to +50°C.
- Airtight waterproof structure is filled with dry nitrogen gas to prevent fogging inside.
- Can be used upside down, allowing the binoculars to be held in either hand.

▸ STABISCOPE S1240

▸ STABISCOPE S1640



Bundled items: Neck strap, Wristband, DC regulator, input and output cords (for DC regulator), and 4 AA batteries.



S1240 (12×40)

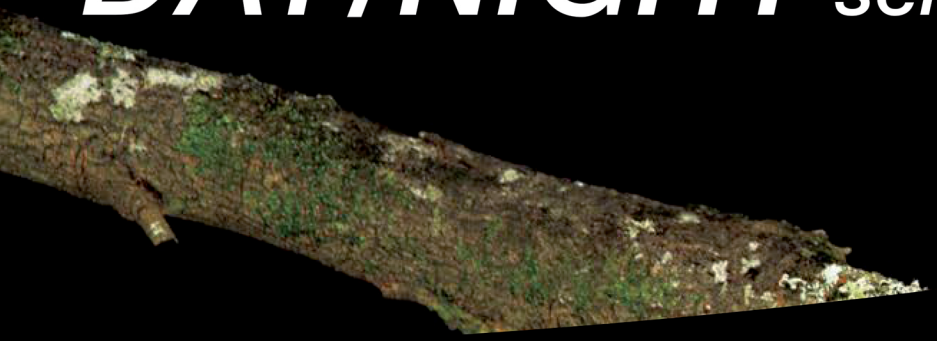


S1640 (16×40)



Seeing is believing, day or night

DAY/NIGHT series





Darkness and vibration pose no obstacle. These highly versatile binoculars can be used in a wide range of settings.

- Simply swap the standard eyepiece for the night vision eyepiece with infrared image intensifier tubes (IIT) for a bright field of view that makes it easy to see your subject at night.
- Vibration-correcting and night vision functionality provide powerful performance for locating finding and monitoring targets from a boat or road vehicle, particularly at night.
- A high-speed built-in gyro motor corrects vibration in a wide range of situations, providing a clear field of view for easy use over long periods.
- All lenses have an EBC multi-coating for high permeability.
- Strong and corrosion resistant enough for use in harsh conditions from -20°C to +50°C.
- Airtight waterproof structure filled with dry nitrogen gas to prevent internal fogging.



S1240-D/N (12×40)
with the night eyepieces.

▸ STABISCOPE S1240-D/N (made to order)



Neck strap, hand band,
DC regulator, input and output cords (for DC regulator),
and 4 AA Alkaline batteries.



Night eyepiece Daytime eyepiece



The choice of professionals

MT series

Excellent optical performance with professional-grade technology.

- All lenses and prisms boast high-quality EBC multi-coating, increasing light permeability for bright, natural color reproduction.
- Highly waterproof and extremely durable body, enabling use in harsh conditions from -20°C to +50°C.
- The 7x50MTRC-SX has a built-in compass with maximum error of ±0.5°. The scale can be used to identify the object's direction, measure distance, and determine the size of a target object. The compass is global, accurately measuring direction in both northern and southern hemispheres.



7×50MTR-SX

- **7×50MTR-SX**
- **7×50MTRC-SX**
- **10×70MTR-SX**



* 7x50MTRC-SX has a built-in compass.

Bundled items: Objective lens caps, eyepiece rainguard, softcase and neck strap.



7×50MTRC-SX

A Guide to Model name

7 × 50 F MT R C - SX

- 7 × : Magnification
- 50 : Objective lens diameter
- F : Field flattener lens
- MT : Waterproof
- R : Rubber coating
- C : Built-in compass
- SX : EBC coating

Unrivaled optics for those that need more than this world can offer

LB150 series



Fujinon's world-class large binoculars provide powerful performance at night with outstanding resolution and light gathering ability.

- The large aperture 150mm objective lenses ensure excellent visibility at dusk or night.
- High-quality EBC multi-coating for high resolution and sharp image throughout the field of view.
- In addition to their airtight, waterproof structure, these binoculars are corrosion resistant, making them durable enough to withstand temperatures ranging from -20°C to +50°C.
- The 25x150ED-SX and 40x150ED-SX have special ED lenses to reduce color aberration for a clear picture even at high magnification.
- Fujinon recommends the use of dedicated mount.
- Small industrial-use binoculars (15x80MT-SX) are also available.



25×150MT-SX



40×150ED-SX

- **25×150MT-SX**
- **25×150ED-SX** (made to order)
- **40×150ED-SX** (made to order)
- **15×80MT-SX**

IF ED* EBC

*Only the 25×150ED-SX and 40x150ED-SX have ED lenses.

Bundled items: Objective lens cap and winged eyecup.



25×150ED-SX



15×80MT-SX
(industrial type with case)

Accessories

TS-X 1440/STABISCOPE series



TS-X 1440/S1240/S1640
Polarizing filter (1pc)



TS-X 1440/S1240/S1640
Orange filter (1pc)



Water proof case for
STABISCOPE S1240/S1640



S1240/S1640
DC regulator

LB150 series



Mount for LB150
Height: 52cm Weight: 8.3kg



*Binoculars are not included

Alminium case for LB150
Size: 105x54x30cm Weight: 20kg

Accessories for 15×80



Mount for 15×80
Height: 29.5cm Weight: 2.4kg

Accessories

FMT/MT series

Please refer to the correspondence table below to find filters for your binoculars.



Example of use





*Photo is Type 1

Round-shaped eye cups * (2pcs)

Eye cups to model correspondence table	FMTR-SX	FMTRC-SX	FMTR-SX	FMTR-SX	FMTR-SX	MTR-SX	MTRC-SX	MTR-SX
	7×50		10×50	10×70	16×70	7×50		10×70
Round-shaped eye cups Type 1 *					●	●	●	●
Round-shaped eye cups Type 2 *	●	●		●				
Round-shaped eye cups Type 3 *			●					

* Attached in the standard package.



Tripod adaptor



Eyepiece rain guard for FMT

Specifications

Series	TECHNO-STABI				
Item \ Product					
	TS-L 1640	**TS-L 2040**	**TS-X 1440**	**TS12×28WP**	**TS16×28WP**
Page	3	3	4	5	5
Magnification	16	20	14	12	16
Objective diameter (mm)	40	40	40	28	28
Field of view (°)	4.2	3.4	4	4.2	4
Apparent field of view (°) *1	60.8	61.4	52.1	47.5	58.4
Field of view at 1000m (m)	73	59.4	70	73	70
Exit pupil	2.5	2.0	2.9	2.3	1.8
Relative Brightness	6.3	4.0	8.2	5.4	3.1
Eye relief (mm)	15.7	15.4	13	16.5	16
Minimum Focus Distance (m) *2	5.0	5.0	5	3.5	3.5
Height (mm)	185.5	185.5	179.5	148	151
Width (mm)	122	122	165	109	120
Depth (mm)	72	72	81	74	74
Weight (g) (w/o Battery)	856	853	1,300	485	550
Adustment range for interpupillary distance (mm)	56-70	56-70	60-70	55-70	55-70
Dioptric adjustment range (±mm)	±2	±2	±2	±2	±2
Focus type	CF	CF	CF	CF	CF
Water resistant *3	1m-30min(IPX7)	1m-30min(IPX7)	1m-5min	1m-30min(IPX7)	1m-30min(IPX7)
Battery	AAA×2 or AAA Ni-MH ×2	AAA×2 or AAA Ni-MH ×2	AA×4 or Ni-MH×4	CR2×1	CR2×1
Operationg temperature	−10°C - +50°C	−10°C - +50°C	−10°C - +50°C	−10°C - +50°C	−10°C - +50°C

Series	FMT		MT		
Item \ Product					
	10×70FMTR-SX	**16×70FMTR-SX**	**7×50MTR-SX**	**7×50MTRC-SX**	**10×70MTR-SX**
Page	8	8	9	9	9
Magnification	10	16	7	7	10
Objective diameter (mm)	70	70	50	50	70
Field of view (°)	5.3	4	7.5	7.5	5.3
Apparent field of view (°) *1	49.7	58.4	49.3	49.3	49.7
Field of view at 1000m (m)	93	70	131	131	93
Exit pupil	7	4.4	7.1	7.1	7
Relative Brightness	49	19.1	51	51	49
Eye relief (mm)	23	15.5	12	12	12
Minimum Focus Distance (m) *2	20	51.2	9.8	9.8	20
Height (mm)	280	270	187	187	269
Width (mm)	238	238	218	218	238
Depth (mm)	88.5	88.5	78.5	93	88.5
Weight (g) (w/o Battery)	2,010	1,920	1,300	1,360	1,880
Adustment range for interpupillary distance (mm)	56-74	56-74	56-74	56-74	56-74
Dioptric adjustment range (±mm)	±5	±5	±5	±5	±5
Focus type	IF	IF	IF	IF	IF
Water resistant *3	2m-5min	2m-5min	2m-5min	2m-5min	2m-5min
Battery	-	-	-	-	-
Operationg temperature	−20°C - +50°C	−20°C - +50°C	−20°C - +50°C	−20°C - +50°C	−20°C - +50°C

*1: Apparent field of view based on ISO14132-1:2002 *2: MOD may differ depending on the viewer's sight in case of Indivisual focus. *3: Do not mean it can be used in water.

HYPER-CLARITY		MARINER		FMT		
						
HC8×42	**HC10×42**	**7×50WPC-XL**	**7×50WP-XL**	**7×50FMTR-SX**	**7×50FMTRC-SX**	**10×50FMTR-SX**
6	6	7	7	8	8	8
8	10	7	7	7	7	10
42	42	50	50	50	50	50
8	6.5	7	7.5	7.5	7.5	6.5
58.4	59.2	46.4	49.3	49.3	49.3	59.2
136	114	122	131	131	131	114
5.3	4.2	7.1	7.1	7.1	7.1	5
28.1	17.6	51	51	51	51	25
18	16	18	18	23	23	19.8
2.0	2.0	12.3	12.3	9.8	9.8	20
139	137	180	180	198	198	191
130	130	201	201	218	218	218
54	54	76	65	78.5	93	78.5
788	782	910	885	1,410	1,460	1,430
58-76	58-76	56-72	56-72	56-74	56-74	56-74
±4	±4	±4	±4	±5	±5	±5
CF	CF	IF	IF	IF	IF	IF
1m-5min	1m-5min	1m-5min	1m-5min	2m-5min	2m-5min	2m-5min
-	-	LR43×2	-	-	-	-
–10°C - +50°C	–10°C - +50°C	–20°C - +50°C	–20°C - +50°C	–20°C - +50°C	–20°C - +50°C	–20°C - +50°C

LB150				STABISCOPE		DAY/NIGHT	
							
25×150MT-SX	**25×150ED-SX**	**40×150ED-SX**	**15×80MT-SX**	**STABI S1240**	**STABI S1640**	**STABI S1240-D/N**	
						DAY	NIGHT
10	10	10	10	11	11	12	12
25	25	40	15	12	16	12	12
150	150	150	80	40	40	40	40
2.7	2.7	1.7	4	4.7	3.4	4.7	4.2
61	61	61.4	55.3	52.4	50.8	52.4	47.5
47	47	30	70	82	59	82	73
6	6	3.8	5.3	3.3	2.5	3.3	-
36	36	14.1	28.4	11.1	6.3	11.1	-
18.6	18.6	15	15.7	17	12	17.0	14.4
208	208	533	112.5	28.8	51.2	28.8	33
962	962	946	510	210	200	220	240
365	365	365	225	200	200	200	200
525(w/ Mount) 190(w/o Mount)	525(w/ Mount) 190(w/o Mount)	525(w/ Mount) 190(w/o Mount)	455	90	90	90	90
18,500	18,500	18,500	7,100	1,800	1,800	2,000	2,200
60-70	60-70	60-70	58-72	59-71	59-71	60-70	60-70
–7 - +3	–7 - +3	–7 - +3	–4 - +2	±5	±5	±5	±5
IF	IF	IF	IF	IF	IF	IF	IF
2m-5min	2m-5min	2m-5min	2m-5min	2m-5min	2m-5min	2m-5min	2m-5min
-	-	-	-	AA×4 or 2CR5×1	AA×4 or 2CR5×1	AA×4/2CR5×1	AA×4/2CR5×1
–20°C - +50°C	–20°C - +50°C	–20°C - +50°C	–20°C - +50°C	–20°C - +50°C	–20°C - +50°C	–20°C - +50°C	–20°C - +50°C

FUJIFILM

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