

Fujifilm 16240767

# Fujifilm Fujinon XF60mmF2.4 R Macro Lens User Manual

## PRODUCT OVERVIEW

The Fujifilm Fujinon XF60mmF2.4 R Macro Lens is designed for Fujifilm X-series mirrorless cameras. It offers a 60mm focal length (90mm equivalent in 35mm format) and a bright F2.4 aperture, making it suitable for macro photography and portraits. This lens incorporates advanced optical elements to deliver high image quality.

### Key Features

- 60mm F2.4 Macro Lens (90mm Equivalent)
- 10 Elements in 8 Groups (Including 1 Aspherical Element & 1 Abnormal Dispersion Element)
- Angle of View: 26.6 Degrees
- Filter Size: 39mm

### What's in the Box

- 1 Fujifilm Fujinon XF60mmF2.4 R Macro Lens



Figure 1: Fujifilm Fujinon XF60mmF2.4 R Macro Lens with lens hood.

## SETUP

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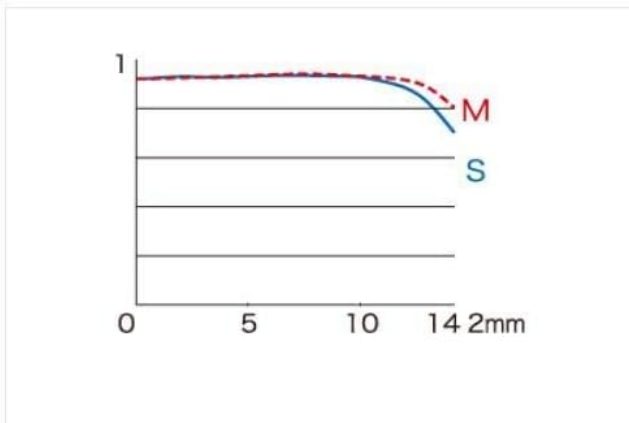
### Mounting the Lens

To attach the lens to your Fujifilm X-series camera, align the red dot on the lens barrel with the red dot on the camera's lens mount. Rotate the lens clockwise until it clicks into place. Ensure the lens is securely fastened before use.

## MTF Chart

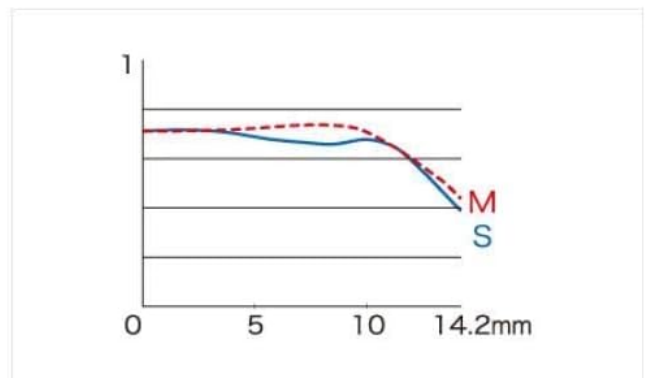
Vertical axis : Contrast S : Meridional

Spatial frequency 15lines/mm



Distance from the center of the image

Spatial frequency 45lines/mm



Distance from the center of the image

Figure 2: Rear view of the lens, highlighting the metal mount for secure attachment.

## Initial Settings

After mounting the lens, power on your camera. The camera should automatically recognize the lens. You may need to adjust camera settings such as aperture, shutter speed, and ISO depending on your shooting environment and desired results. Refer to your camera's user manual for specific setting adjustments.

## OPERATING THE LENS

### Aperture Control

The lens features an aperture ring on the barrel, allowing for direct control over the aperture setting. Rotate the ring to select your desired f-stop, ranging from F2.4 to F22. The 'A' setting on the aperture ring allows the camera to control the aperture automatically.



Figure 3: The lens barrel with the aperture ring clearly visible.

## Focus Modes

This lens supports both autofocus (AF) and manual focus (MF). The focus mode can be selected via your camera's settings. For precise macro photography, manual focus may be preferred. The focus ring on the lens barrel allows for fine adjustments in manual focus mode.

## Macro Photography

The XF60mmF2.4 R Macro lens is designed for close-up photography, allowing you to capture intricate details of small subjects. When shooting macro, consider using a tripod to minimize camera shake and ensure sharp focus. Experiment with different aperture settings to control depth of field.



Figure 4: Example of macro photography, showcasing fine detail and shallow depth of field.



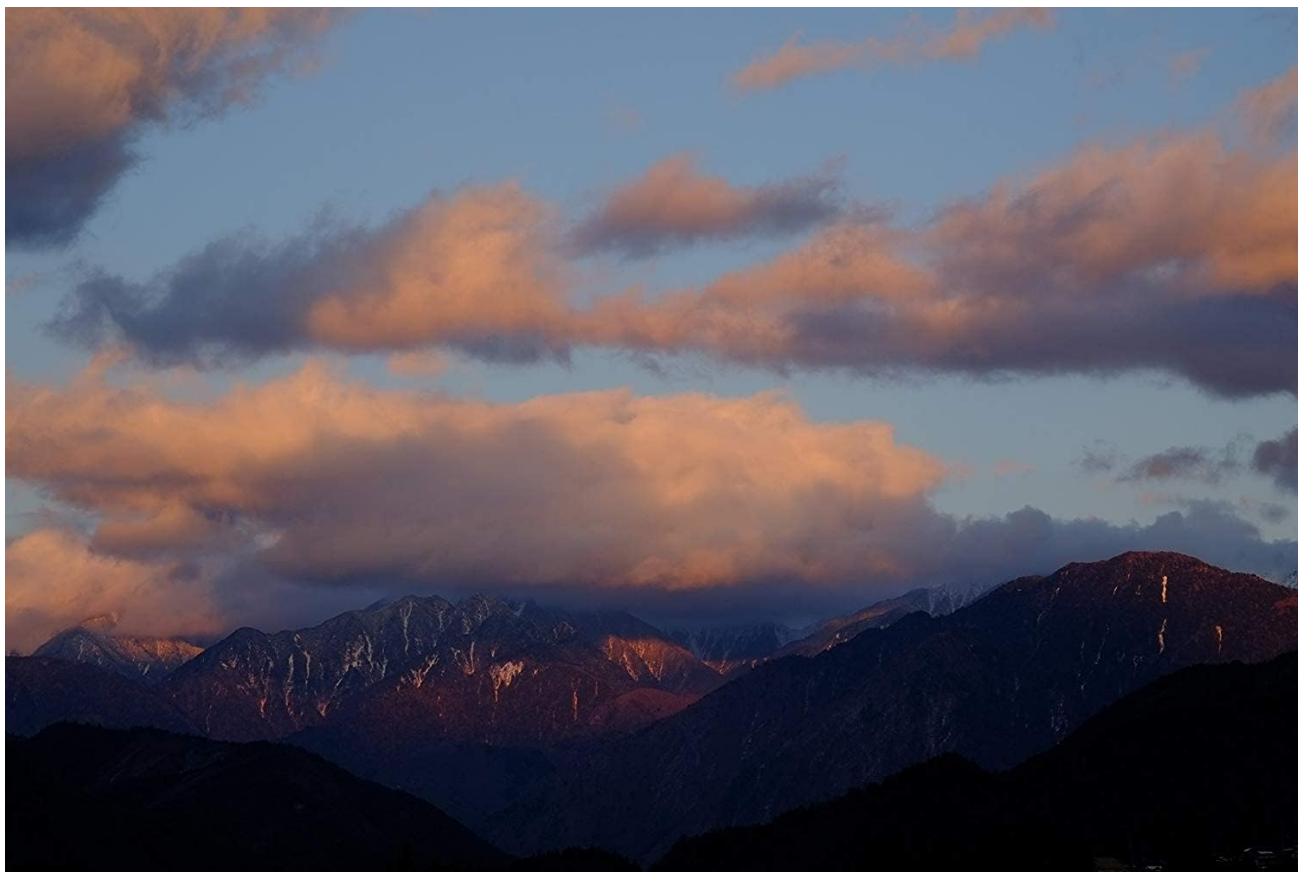


Figure 5: Another example of macro photography, capturing the delicate structure of a flower.

## MAINTENANCE

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### Cleaning

To clean the lens, use a soft, lint-free cloth specifically designed for optical surfaces. Gently wipe away dust and smudges. For stubborn marks, a small amount of lens cleaning solution applied to the cloth can be used. Avoid touching the lens elements directly with your fingers. Do not use abrasive materials or harsh chemicals.

### Storage

When not in use, store the lens with both front and rear caps attached in a dry, cool place away from direct sunlight and extreme temperatures. Using a lens pouch or case can provide additional protection against dust and physical damage.

## TROUBLESHOOTING

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### Common Issues

- **Lens not recognized by camera:** Ensure the lens is securely mounted and the camera firmware is up to date. Power cycle the camera.
- **Autofocus is slow or inaccurate:** Check lighting conditions; autofocus performs best in well-lit environments. Ensure the camera's focus mode is set correctly. For very close subjects, manual focus may yield better results.
- **Dust or smudges on images:** Clean the front and rear lens elements carefully using appropriate lens cleaning tools. If the issue persists, check your camera's sensor for dust.
- **Image quality issues (e.g., softness, chromatic aberration):** Ensure the lens is clean and properly focused. Review your camera settings, including aperture, to ensure they are appropriate for the shooting scenario.

Detailed Specifications

Feature	Detail
Product Dimensions	2.8 x 2.52 x 4.2 inches
Item Weight	7.6 ounces
ASIN	B006ZSNU4O
Item Model Number	16240767
Batteries Required	Lithium Metal batteries required (for camera, not lens)
Date First Available	January 9, 2012
Manufacturer	FUJII9
Brand	Fujifilm
Focal Length Description	60 mm
Lens Type	Telephoto
Compatible Mountings	Fujifilm X
Camera Lens Description	Fujifilm Fujinon XF60mmF2.4 R Macro

3 YEAR WARRANTY		TYPE	FILTER SIZE	MIN. FOCUS DISTANCE	AUTOFOCUS	WEATHER RESISTANCE	STABILISATION	35MM APPROX EQUIV.	TELECONVERTER COMPATIBILITY	DIAMETER	LENGTH	WEIGHT	USE
FUJIFILM X-MOUNT FOR X-SERIES CAMERA BODIES	XF8mmF3.5 R WR	Prime	62mm	18cm	✓	✓	—	12mm	—	68mm	52.8mm	215g	Landscape, Video
	XF14mmF2.8 R	Prime	58mm	18cm	✓	—	—	21mm	—	65mm	58.4mm	235g	Landscape, Astro
	XF16mmF1.4 R WR	Prime	67mm	15cm	✓	✓	—	24mm	—	73.4mm	73mm	375g	Everyday, Landscape, Astro
	XF16mmF2.8 R WR	Prime	48mm	17cm	✓	✓	—	24mm	—	60mm	45.4mm	155g	Everyday, Landscape, Astro, Video
	XF18mmF1.4 R LM WR	Prime	62mm	15cm	✓	✓	—	27mm	—	68.8mm	75.6mm	370g	Everyday, Landscape, Astro, Video
	XF18mmF2 R	Prime	52mm	18cm	✓	—	—	27mm	—	64.5mm	33.7mm	116g	Everyday, Landscape, Astro
	XF23mmF1.4 R LM WR	Prime	58mm	19cm	✓	✓	—	35mm	—	67mm	77.8mm	375g	Everyday, Portrait Video
	XF23mmF2 R WR	Prime	43mm	22cm	✓	✓	—	35mm	—	60mm	51.9mm	180g	Everyday, Portrait
	XF27mmF2.8 R WR	Prime	39mm	34cm	✓	✓	—	40mm	—	62mm	23mm	84g	Everyday
	XF30mmF2.8 R LM WR MACRO	Prime	43mm	10cm	✓	✓	—	45mm	—	60mm	69.5mm	195g	Everyday, Macro
	XF33mmF1.4 R LM WR	Prime	58mm	30cm	✓	✓	—	50mm	—	67mm	73.5mm	380g	Everyday, Portrait Video
	XF35mmF1.4 R	Prime	52mm	28cm	✓	—	—	52mm	—	65mm	50.4mm	187g	Everyday, Portrait
	XC35mmF2	Prime	43mm	35cm	✓	—	—	52mm	—	58.4mm	46.5mm	130g	Everyday, Portrait
	XF35mmF2 R WR	Prime	43mm	35cm	✓	✓	—	52mm	—	60mm	45.9mm	170g	Portrait
	XF50mmF1 R WR	Prime	77mm	70cm	✓	✓	—	75mm	—	87mm	103.5mm	845g	Portrait
	XF50mmF2 R WR	Prime	46mm	39cm	✓	✓	—	75mm	—	60mm	59.4mm	200g	Portrait
	XF56mmF1.2 R APD	Prime	62mm	70cm	✓	—	—	84mm	—	73.2mm	69.7mm	405g	Portrait
	XF56mmF1.2 R WR	Prime	67mm	50cm	✓	✓	—	84mm	—	79.4mm	76mm	405g	Portrait
	XF60mmF2.4 R MACRO	Prime	39mm	26.7cm	✓	—	—	90mm	—	64.1mm	63.6mm	215g	Macro
	XF80mmF2.8 R LM OIS WR	Prime	62mm	25cm	✓	✓	✓	120mm	✓	80mm	130mm	750g	Macro, Portrait
	XF90mmF2 R LM WR	Prime	62mm	60cm	✓	✓	—	135mm	—	75mm	105mm	540g	Portrait
	XF200mmF2 R LM OIS WR	Prime	105mm	180cm	✓	✓	✓	300mm	—	122mm	205.5mm	2265g	Sports & Wildlife
	XF8-16mmF2.8 R LM WR	Zoom	N/A	25cm	✓	✓	—	12mm-24mm	—	88mm	121.5mm	805g	Landscape, Astro
	XF10-24mmF4 R OIS WR	Zoom	72mm	24cm	✓	✓	✓	15mm-36mm	—	77.6mm	87mm	385g	Everyday, Landscape, Video
	XC15-45mmF3.5-5.6 OIS PZ	Zoom	58mm	35cm	✓	—	✓	22.5mm-68mm	—	62.6mm	44.2mm	135g	Everyday, Landscape, Video
	XF16-50mmF2.8-4.8 R LM WR	Zoom	58mm	24cm	✓	✓	✓	24mm-76mm	—	65mm	71.4mm	240g	Everyday, Landscape, Portrait, Video
	XF16-55mm F/2.8 R LM WR II	Zoom	72mm	30cm	✓	✓	✓	24mm-94mm	—	78.3mm	95mm	410g	Everyday, Landscape, Portrait, Video
	XF16-80mmF4 R OIS WR	Zoom	72mm	35cm	✓	✓	✓	24mm-120mm	—	78.3mm	88.9mm	440g	Everyday, Landscape, Sports & Wildlife, Video
	XF18-55mmF2.8-4 R LM OIS	Zoom	58mm	30cm	✓	—	—	27mm-83mm	—	65mm	70.4mm	310g	Everyday, Landscape, Video
	XF18-120mmF4 LM PZ WR	Zoom	72mm	60cm	✓	✓	—	27mm-180mm	—	77.3mm	123.5mm	460g	Everyday, Landscape, Sports & Wildlife, Video
	XF18-135mmF3.5-5.6 R LM OIS	Zoom	67mm	45cm	✓	✓	✓	27mm-203mm	—	75.7mm	97.8mm	490g	Everyday, Landscape, Sports & Wildlife, Video
	XF50-140mmF2.8 R LM OIS WR	Zoom	72mm	100cm	✓	✓	✓	75mm-210mm	✓	82.9mm	175.9mm	995g	Sports & Wildlife
	XC50-230mmF4.5-6.7 OIS II	Zoom	58mm	110cm	✓	—	✓	75mm-345mm	—	69.5mm	111mm	375g	Sports & Wildlife
	XF55-200mmF3.5-4.8 R LM OIS	Zoom	62mm	110cm	✓	—	✓	83mm-300mm	—	75mm	118 mm	580g	Sports & Wildlife
	XF70-300mmF4-5.6 R LM OIS	Zoom	67mm	83cm	✓	✓	✓	105mm-450mm	✓	75mm	132.5mm	588g	Sports & Wildlife
	XF100-400mmF4.5-5.6 R LM	Zoom	77mm	175cm	✓	✓	✓	150mm-600mm	✓	94.8mm	210.5mm	1375g	Sports & Wildlife
	XF150-600mmF5.6-8 R LM OIS	Zoom	82mm	240cm	✓	✓	✓	225mm-900mm	✓	99mm	314.5mm	1605g	Sports & Wildlife
	XF500mmF5.6 R LM OIS WR	Prime	95mm	275cm	✓	✓	✓	762mm	✓	104.5mm	255.5mm	1335g	Sports & Wildlife
Oct 24	Visit <a href="http://fujifilm.com/au/en/warranty">fujifilm.com/au/en/warranty</a> for details of Fujifilm's 3 Year Warranty												FUJIFILM FUJINON

Figure 6: MTF Chart illustrating the optical performance of the lens.

3 YEAR WARRANTY		TYPE	FILTER SIZE	MIN. FOCUS DISTANCE	AUTOFOCUS	WEATHER RESISTANCE	STABILISATION	35MM APPROX EQUIV.	TELECONVERTER COMPATIBILITY	DIAMETER	LENGTH	WEIGHT	USE
FUJIFILM X-MOUNT FOR X-SERIES CAMERA BODIES	XF8mmF3.5 R WR	Prime	62mm	18cm	✓	✓	—	12mm	—	68mm	52.8mm	215g	Landscape, Video
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	XF16mmF2.8 R WR	Prime	49mm	17cm	✓	✓	—	24mm	—	60mm	45.4mm	155g	Everyday, Landscape, Astro, Video
	XF18mmF1.4 R LM WR	Prime	62mm	15cm	✓	✓	—	27mm	—	68.8mm	75.6mm	370g	Everyday, Landscape, Astro, Video
	XF18mmF2.8 R	Prime	52mm	18cm	✓	—	—	27mm	—	64.5mm	33.7mm	116g	Everyday, Landscape, Astro
	XF23mmF1.4 R LM WR	Prime	58mm	19cm	✓	✓	—	35mm	—	67mm	77.8mm	375g	Everyday, Portrait Video
	XF23mmF2.8 R WR	Prime	43mm	22cm	✓	✓	—	35mm	—	60mm	51.9mm	180g	Everyday, Portrait
	XF27mmF2.8 R WR	Prime	39mm	34cm	✓	✓	—	40mm	—	62mm	23mm	84g	Everyday
	XF30mmF2.8 R LM WR MACRO	Prime	43mm	10cm	✓	✓	—	45mm	—	60mm	69.5mm	195g	Everyday, Macro
	XF33mmF1.4 R LM WR	Prime	58mm	30cm	✓	✓	—	50mm	—	67mm	73.5mm	360g	Everyday, Portrait Video
	XF35mmF1.4 R	Prime	52mm	28cm	✓	—	—	52mm	—	65mm	50.4mm	187g	Everyday, Portrait
	XC35mmF2	Prime	43mm	35cm	✓	—	—	52mm	—	58.4mm	46.5mm	130g	Everyday, Portrait
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	XF56mmF1.2 R WR	Prime	67mm	50cm	✓	✓	—	84mm	—	79.4mm	76mm	405g	Portrait
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	XF80mmF2.8 R LM OIS WR	Prime	62mm	25cm	✓	✓	✓	120mm	✓	80mm	130mm	750g	Macro, Portrait
	XF90mmF2.8 R LM WR	Prime	62mm	60cm	✓	✓	—	135mm	—	75mm	105mm	540g	Portrait
	XF100mmF2.8 R LM OIS WR	Prime	105mm	180cm	✓	✓	✓	300mm	—	122mm	205.5mm	2265g	Sports & Wildlife
	XF8-16mmF2.8 R LM WR	Zoom	N/A	25cm	✓	✓	—	12mm-24mm	—	88mm	121.5mm	805g	Landscape, Astro
	XF10-24mmF4 R OIS WR	Zoom	72mm	24cm	✓	✓	✓	15mm-36mm	—	77.6mm	87mm	385g	Everyday, Landscape, Video
	XC15-45mmF3.5-5.6 OIS PZ	Zoom	58mm	35cm	✓	—	✓	22.5mm-68mm	—	62.6mm	44.2mm	135g	Everyday, Landscape, Video
	XF16-50mmF2.8-4.8 R LM WR	Zoom	58mm	24cm	✓	✓	—	24mm-76mm	—	65mm	71.4mm	240g	Everyday, Landscape, Portrait, Video
	XF16-55mm F2.8 R LM WR II	Zoom	72mm	30cm	✓	✓	✓	24mm-84mm	—	78.3mm	95mm	410g	Everyday, Landscape, Portrait, Video
	XF16-80mmF4 R OIS WR	Zoom	72mm	35cm	✓	✓	✓	24mm-120mm	—	78.3mm	88.9mm	440g	Everyday, Landscape, Sports & Wildlife, Video
	XF18-55mmF2.8-4 R LM OIS	Zoom	58mm	30cm	✓	—	✓	27mm-83mm	—	65mm	70.4mm	310g	Everyday, Landscape, Video
	XF18-120mmF4 LM PZ WR	Zoom	72mm	60cm	✓	—	—	27mm-180mm	—	77.3mm	123.5mm	460g	Everyday, Landscape, Sports & Wildlife, Video
	XF18-135mmF3.5-5.6 R LM OIS	Zoom	67mm	45cm	✓	✓	✓	27mm-203mm	—	75.7mm	97.8mm	490g	Everyday, Landscape, Sports & Wildlife, Video
	XF50-140mmF2.8 R LM OIS WR	Zoom	72mm	100cm	✓	✓	✓	75mm-210mm	✓	82.9mm	175.9mm	995g	Sports & Wildlife
	XC50-230mmF4.5-6.7 OIS II	Zoom	58mm	110cm	✓	—	✓	75mm-345mm	—	69.5mm	111mm	375g	Sports & Wildlife
	XF55-200mmF3.5-4.8 R LM OIS	Zoom	62mm	110cm	✓	—	✓	83mm-300mm	—	75mm	118 mm	580g	Sports & Wildlife
	XF70-300mmF4-5.6 R LM OIS	Zoom	67mm	83cm	✓	✓	✓	105mm-450mm	✓	75mm	132.5mm	588g	Sports & Wildlife
	XF100-400mmF4.5-5.6 R LM	Zoom	77mm	175cm	✓	✓	✓	150mm-600mm	✓	94.8mm	210.5mm	1375g	Sports & Wildlife
	XF150-600mmF5.6-8 R LM OIS	Zoom	82mm	240cm	✓	✓	✓	225mm-900mm	✓	99mm	314.5mm	1605g	Sports & Wildlife
	XF500mmF5.6 R LM OIS WR	Prime	95mm	275cm	✓	✓	✓	762mm	✓	104.5mm	255.5mm	1335g	Sports & Wildlife

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Figure 7: Fujifilm X-Mount Lens Compatibility Chart, showing various lens specifications.

## WARRANTY AND SUPPORT

### Warranty Information

This lens is a mid-telephoto lens with an aperture of f/2.4. It uses a glass molded aspheric lens at the 7th element to prevent field curvature and an ED (extra-low dispersion) glass lens at the 6th element to contain chromatic aberration. The lens is designed for high-definition description. For specific warranty terms and conditions, please refer to the official Fujifilm warranty documentation provided with your purchase or visit the Fujifilm website.

### Customer Support

For further assistance, technical support, or service inquiries, please contact Fujifilm customer support through their official website or the contact information provided in your product packaging. Ensure you have your product model number (16240767) and purchase details available when contacting support.