FUJIFILM X-T2 Specification

Micro Four Thirds lens mount

- AF area
- AE area
- Metering area
- AF point
- AF frame
- AE frame

Display mode
- EVF
- LCD monitor

Scene Position
- Auto (P)
- Scene auto (SCENE)
- Creative (Crea)

Creative Mode
- Manual
- Advanced Menu
- Simulation

Focus
- Single Point
- Zone
- Wide/Tracking

AF Frame
- Single point
- Zone
- Wide/Tracking

AF-Assist Lamp
- Flash
- Off
- All

ISO sensitivity
- AUTO
- 200 to 12800

White Balance
- Bracketing
- Film simulation
- AE Bracketing

Exposure control
- Program AE
- Shutter
- Manual
- Aperture

White Balance
- Bracketing
- Film simulation
- AE Bracketing

Shutter
- Mechanical
- Electronic
- High-Speed Sync

AF
- Wide
- Tracking

Battery
- Type
- Capacity
- Charge

Exposure metering
- Multi
- Spot
- Average
- Center Weighted

Flash
- Flash control
- Flash sync
- Flash guide number

Digital camera
- Sensor
- Optical system
- Image Stabilizer

Storage media
- Memory card
- Storage capacity

Movie
- Resolution
- Frame rate
- Bit rate

MPEG-4 AVC / H.264

Storage
- Storage capacity

Continuous shooting
- Approx. 11fps [with VPB-XT 2]

ISO
- AUTO
- 200 to 12800

Metering
- TTL
- 256-zone metering

Advanced filter
- Standard output

Dynamic range setting
- Standard output

Creative Perfection

Parts of the Camera

- Electronic viewfinder (EVF)
- LCD monitor
- Tripod mount
- Microphone connector
- Micro USB connector
- Hot shoe

Accessories included

- Battery
- Charger
- Shoulder strap
- Shoe-mount flash unit

Environment
- Temperature
- Humidity

Power supply
- Type
- Capacity

Terminal
- Sync terminal
- TTL (FLASH AUTO / STANDARD / SLOW SYNC.) / MANUAL / COMMANDER / OFF (When EF-X8 is set)

Creative Perfection

For more information, please visit our website
http://fujifilm-x.com/x-t2/

©2016 FUJIFILM Corporation
1/500sec. F8 ISO320.
Peter Delaney using X-T2 + XF100-400mmF4.5-5.6 R LM OIS WR
1/125sec, F22 ISO200.
Simone Sbarglia using X-T2 + XF60mmF2.4 R Macro
1/1000sec. F1.2 ISO200
Ines Thomsen using X-T2 + XF56mmF1.2 R APD

1/160sec. F11 ISO200
Natasha V using X-T2 + XF35mmF1.4 R
In its compact, lightweight and robust body, the X-T2 delivers everything you need. A large, high definition EVF, easy to use dials, high-speed AF, compatibility with an extensive range of high-performance interchangeable lenses, Film Simulation modes that inherit the legacy of Fujifilm colors, unparalleled image quality and outstanding 4K movie recording, made possible by the latest sensor and processing engine. It is the X series perfected.

X-T2: Creative Perfection
To achieve the special Graphite Silver texture and refined shimmer, the die-cast magnesium top cover goes through the following six processes:

(1) Remove the milled magnesium top cover from the mold
(2) A chemical conversion coating is applied to prevent oxidation via contact with air.
(3) Using a black base coat primer, the shadow areas are darkened, allowing the highlights to stand out.
(4) Using multiple thin-layer technology, the graphite silver texture is added. Tiny amounts of graphite are applied via computer control while rotating the body at high speeds.
(5) A minor amount of black is added to the clear finish coating material, creating the unique glossy feel.
(6) Areas such as the logo are colored by hand.

Perfecting photographic expressions in style

FUJIFILM
X-T2
Graphite Silver Edition
Newest technology in its compact, lightweight and robust body.
Outstanding image quality captures the beauty of the world around you

Sensor / Processor

24.3MP X-Trans CMOS III Sensor

The X-T2 features a 24.3MP X-Trans CMOS III APS-C sensor for outstanding image quality. Its highly random pixel array effectively reduces moiré and false colors without the use of an optical low-pass filter. When combined with an XF lens, the sensor delivers images with a perceived resolution far greater than the number of pixels used. Other features include outstanding read speed, high-speed continuous shooting, high-precision AF tracking, highly faster liveview refresh rate and superb video recording.

Excellent image processing from X-Processor Pro

The X-Processor Pro image processing engine is approximately four times faster than the previous model. The increased built-in memory and enhanced computational power bring out the maximum capabilities of the X-Trans CMOS III sensor. It produces high quality images and improves response times for shorter delays between shots, reduced shutter-release time lag and greater AF precision. The engine also delivers faster Live View refresh rates and reduces blackout time in continuous shooting mode.

Sensor / Processor

24.3MP X-Trans CMOS III Sensor

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**Performance Specifications**

- **Start-Up Time**: Approx. 0.3 sec.
- **Continuous Shooting**: Up to 14 fps**
- **EVF Refresh Rate**: Approx. 100 fps
- **Shutter Release Time Lag**: 0.045 sec.**
- **Shutter Release Time Lag**: 0.06 sec.
- **AF Speed**: Up to 0.06 sec.

**Note:**

1. When using Boost mode on the Power Booster Grip (See p. 36).
2. When using electronic shutter. Up to 11 fps, when mechanical shutter is used with Boost mode on the Power Booster Grip.
Incorporating knowledge developed from over 80 years of photographic film manufacturing, the X-T2’s Film Simulation modes allow you to enjoy different color tones and rich gradations as if actually swapping films. A total of 15 modes are available, including PROVIA and Velvia to reproduce vibrant colors, plus ACROS for fine-detailed monochrome images. The Grain Effect function can be combined with all Film Simulation modes to add a textured look and deliver a greater range of artistic effects.

Film Simulation modes reflect Fujifilm’s color philosophy created through years of photographic film manufacturing.

To create photographs that are truly memorable they need texture, depth and atmosphere.
Precisely capturing the subject

Focusing

Larger high-speed and high-precision phase detection AF area coupled with performance improvements

AF performance has been improved in a number of key areas. The fast and accurate phase detection AF now covers a larger part of the frame and has been optimized in the area where users are most likely to position the main subject. At the same time, the X-T2 boasts significant focusing improvements on small highlights, low-contrast subjects and subjects with fine textures, which have previously caused problems for focal plane phase detection AF. Contrast detection AF, which excels in low light conditions, has also received a performance boost, with the ability to accurately focus in light levels as low as -3 EV. The camera also introduces more mobility during the slow shutter mode in MF-C.

Eye Detection AF automatically detects human eyes

Choose Face Detection to automatically detect human faces, or turn on Eye Detection AF to automatically detect and accurately focus on human eyes for successful portraits with a shallow depth of field. You can also define the areas of priority focus, for example right or left eye, or the eye closer to the camera. These functions have been upgraded for improved accuracy to a level that will impress professional photographers. They are particularly effective when shooting with the 46mm F1.2 R LM WR or 90mm F2.

Pinpoint accurate focusing in MF mode

The X-T2 has a variety of functions that assist pinpoint focusing in the MF mode. Set the Focus Mode Lever to MF and rotate the focus ring to access a variety of MF Assist functions. These include Focus Peaking, in which color is used to show the parts of the image that are in focus, and Digital Split Image, where focus is achieved by bringing the split image strips in the center. These features are particularly useful in macro photography and portraiture, which involve a shallower depth of field and require focusing precision.

From still lifes to moving objects - everything is covered

AF Modes

Choose from 6 different AF modes

<table>
<thead>
<tr>
<th>AF-S + SINGLE POINT</th>
<th>AF-S + ZONE</th>
</tr>
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<tbody>
<tr>
<td>Highly precise pin-point focusing. Choose one of 91 focusing points. The focus area can be also one of five different sizes.</td>
<td>Useful for slower-moving subjects that are difficult to focus on using the Single Point mode. The central area delivers extra-fast focusing.</td>
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<table>
<thead>
<tr>
<th>AF-C + SINGLE POINT</th>
<th>AF-C + ZONE</th>
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<tbody>
<tr>
<td>Ideal for subject moving toward the camera or in a specific direction. You can choose one of 91 focusing points. The focus area can be also one of five different sizes.</td>
<td>Perfect for a moving subject that is difficult to track with a single focusing point. Keep the subject within the chosen focusing area to maintain focus. Using the phase detection AF area offers extra-fast focusing.</td>
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<table>
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<tr>
<th>AF-S + WIDE/TRACKING</th>
<th>AF-C + WIDE/TRACKING</th>
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<tbody>
<tr>
<td>This camera automatically selects multiple zones and focuses on the subject. This is suitable when shooting a subject with unpredictable movements or multiple moving subjects.</td>
<td>Tracks a subject that moves dynamically across the frame. You set the starting position, then the camera follows the subject. This mode is suitable when shooting a pre-composed frame on a tripod.</td>
</tr>
</tbody>
</table>

Focus Lever to instantly change the focusing point

The focus area can be changed in eight directions using the X-T2’s joystick-like Focus Lever: up/down, right/left and diagonally. This allows users to make quick changes to the focus area for accurate focusing after composing an image. This feature is useful not only to shift the AF points during autofocusing, but also to quickly choose the area to be enlarged in MF Assist mode during manual focusing.
A new AF brain to capture the decisive moment every time

**AF-C Custom Settings**

Three parameters controlling AF-C

Fujifilm has substantially improved the AF-C algorithm to boost the accuracy of the X-T2's ability to track moving subjects. You can now fine-tune how the camera reacts to the way the subject moves within the frame, how fast the subject moves and where in the frame the camera prioritizes focus. The five presets in the AF-C Custom Settings represent combinations of these three factors.

**Tracking Sensitivity**

This setting allows you to specify whether the camera should switch its focus to a different subject or retain the focus to wait for the subject to reappear. This control is useful when the subject you are tracking disappears behind an obstacle, goes out of the frame or when a second object is a substantially different distance than the subject comes into the frame. Selecting 0 makes the camera switch its focus immediately, while increasing "1" progressively lengthens the time it will retain focus.

**Speed Tracking Sensitivity**

This setting defines the camera’s tracking characteristics based on changes in the subject’s speed. Selecting 0 (constant speed) the camera does not consider change of speed when predicting subject movements. Choosing 2 (variable speed) and the camera takes speed changes into account when predicting subject movement, making it suitable for accelerating or decelerating subjects.

**Zone area Switching**

This setting is available only in the Zone AF mode, and allows you to specify which part of the selected focusing zone should be given focusing priority. Select "CENTER" to maintain focus on the center of the frame, or "FRONT" to switch focus to a subject at the front of the frame when the original subject moves out of shot. AUTO tracks the subject you last focused on.

Use a setting to match the subject’s movements for perfect tracking

**AF-C Custom Settings**

The AF-C Custom Setting allows you to select one of five AF presets according to the subject’s movements to obtain perfect focus tracking. Based on how the subject moves, you can select a preset from, for example, Preset 2: Ignoring obstacles, Preset 3: For subjects that accelerate / decelerate, Preset 4: For subjects that suddenly come into the frame or Preset 5: Subjects with erratic movements to obtain optimum settings for accurate subject tracking. A combination of three factors: Tracking sensitivity, Speed tracking sensitivity, and Zone area switching may be manually set and registered as Preset 6: Custom.

**Preset 1: Basic**

This is a standard setting for moving subjects in general. It is mostly ideal when there is no specific AF-C Custom Setting selected. This is closest to the AF-C setting on previous models.

**Preset 2: Ignoring obstacles**

Suitable when objects other than the subject enter the focusing area due to the subject going out of the frame or obstacles obscuring the subject.

**Preset 3: Accelerating / decelerating subjects**

The perfect setting for subjects whose speed of movement changes significantly. It is particularly effective when using a lens featuring a linear motor for high-speed focus tracking.

**Preset 4: For subjects that suddenly come into the frame**

Allows the camera to instantly focus on a subject that comes into the focusing area, and priority given to objects closer to the camera. The ideal for subjects that suddenly appear in the focusing frame.

**Preset 5: Erratically moving subjects**

This is suitable when subjects are moving at varying speeds in different directions, coming in and out of the focusing area. It is perfect for shooting field sports, etc.

**Preset 6: Custom**

Manually create a preset optimized for the specific movement characteristics of your subject. You can adjust subject’s acceleration level, deceleration level and zone area priority to your preference. Then save them as this preset.
Get back to basics by shooting through the viewfinder

Viewfinder

High-resolution Real Time Viewfinder with a 0.77x magnification ratio

The 2.36-million-dot high-resolution organic EL electronic viewfinder has a magnification ratio of 0.77x, a horizontal viewing angle of 31 degrees, and a display time lag of just 0.005 seconds. The viewfinder, which is 2 times brighter than the previous model, also features an automatic brightness adjustment function so it’s easy to use in all conditions - even intense backlighting. It completely eliminates moiré or false colors, and boasts performance comparable to an optical viewfinder, but with the added advantage of displaying a live view that reflects exposure settings.

Up to approx. 100fps EVF refresh rate for a clear display even in low light

As standard the EVF refreshes at a rate of approx. 60fps, but in Boost mode this jumps to approx. 100fps, which continuously displays even fast-moving subjects smoothly to deliver a performance comparable to that of an optical viewfinder. The fast refresh rate is maintained even in low light for easy framing during night shooting.

Continuous shooting of 11fps and minimal viewfinder blackout time

Continuous shooting performance has also been improved, enabling up to 11fps when using the mechanical shutter* and 5fps in the Live View mode. The viewfinder blackout time is now less than half that of the previous model. This means that you can track a fast-moving subject more easily for an extended period of time during continuous shooting. The combination of advanced continuous shooting options and EVF performance deliver continuous AF-C shooting never previously thought possible with mirrorless cameras.

*When using Boost mode on the Power Booster Grip (See p.36)
Solid body with resistance to dust, moisture and low temperatures

The X-T2’s body is made of magnesium alloy. Despite being compact and lightweight, it is both solid and highly durable. The body is also weather-sealed in 63 points to achieve a high level of resistance to dust and moisture. Couple this with its ability to work in temperatures down to -10°C and you’ll see the camera is ready for anything. Similar weather-sealing is applied to the dust-resistant and water-resistant lenses and the Power Booster Grip to provide weather resistance across the entire system.

Dual SD card slots

The body features dual slots to accommodate two SD cards for highly reliable data storage. Both Slot 1 and Slot 2 are compatible with UHS-II standards for excellent write speeds. You can use the slots for sequential recording, backup, sorting (record RAW files in Slot 1 and JPEG files in Slot 2, or assign one of the slots for video storage.

Exceptionally balanced for a comfortable and reliable grip

The X-T1’s grip has been further developed and now offers even greater comfort on the X-T2 thanks to a larger area set aside as a thumb rest. Locking mechanisms have also been introduced for the SD Card Cover and Battery Cover.

Three-direction tilting LCD screen

The X-T2 features a premium LCD screen that can tilt in three directions. Tilt it up and down when shooting in landscape, and upward when shooting in portrait. The screen remains positioned on the optical axis of the lens for easier high-angle and low-angle shooting. The 3-inch LCD has 1.04 million dots and uses toughened glass. When not tilted, it fits flush to the body.

For photographers who demand precise operation in all conditions

**Body**
Dial-based operation means you’re better prepared for any photo opportunities

Control

Lockable dials deliver quick and simple handling

Key exposure controls are dial-based, such as setting the shutter speed, ISO sensitivity, exposure compensation, Drive Mode and Metering Mode. This means settings can easily be changed, even when the camera is turned off. Selected controls also feature lock and release buttons to enhance overall operation.

Exposure Compensation Dial with the C position

The frequently-used exposure compensation function can be operated using the top-plate dial for adjustments in 1/3 increments up to ±3EV. Select the C position for exposure compensation of up to ±5EV using the camera’s Command Dial. When using the Power Booster Grip featuring the Command Dial, select the C position to access exposure compensation with the camera held in the portrait orientation.

Highly-durable focal plane shutter with a maximum speed of 1/8000 sec.

The X-T2 features a focal plane shutter with a maximum speed of 1/8000 sec, flash sync speed of 1/250 sec and durability of 150,000 shots. It also supports an ultra-fast, silent-operating electronic shutter with a maximum speed of 1/32,000 sec that allows you to shoot at wide apertures, even in bright sunlight.
High performance lenses are essential for achieving optimum image quality

**Fujinon Lens**

**XF10-24mmF4 R OIS**
- New wide-angle zoom lens with effective correction for the X-T2, with an equivalent focal length of 15-36mm (35mm format equivalent).
- Equipped with a stepping motor, suitable for video recording.

**XF16-55mmF2.8 R LM WR**
- Professional-grade lens that combines the close-up capabilities of an X-mount lens with the flexibility of a zoom lens. It features a dust and water-resistant design.

**XF100-400mmF4.5-5.6 R LM OIS WR**
- Telephoto zoom lens with an equivalent focal length of 150-600mm (35mm format equivalent). It features powerful image stabilization.

**XF10-24mm F4 R OIS**
- Wide-angle zoom lens covering the focal lengths from the 15mm equivalent (ultra-wide angle) to 36mm equivalent (standard), and featuring optical image stabilization with a stepping motor, making it suitable for video recording.

**XF16-55mm F2.8 R LM WR**
- High performance lens that combines the close-up capabilities of an X-mount lens with the flexibility of a zoom lens. It features a dust and water-resistant design.

**XF100-400mm F4.5-5.6 R LM OIS WR**
- Telephoto zoom lens with an equivalent focal length of 150-600mm (35mm format equivalent). It features powerful image stabilization.

**New features on the X-T2 that meet the exacting requirements of professional photographers**

**Professional Shooting**

**Tethering**
- Install the Tether Shooting Plug-in for Adobe® Photoshop® Lightroom® / Tether Shooting Plug-in Pro for Adobe® Photoshop® Lightroom® to tether the X-T2 to a Mac or Windows computer for remote shooting. You can automatically transfer and save images on the computer, and shoot while checking Live View images (Pro version only).

**FP (High Speed Sync) compatible lighting system**
-Supporting multiple wireless flashes
-The all-new EF-X500 flash, with a powerful guide number of 50, can be used as a wireless master/remote unit, capable of creating a multiple-flash lighting setup. It also supports FP (High Speed Sync) to produce vibrant images at a higher shutter speed, or artistic images with beautiful bokeh at wider apertures.

**MACRO EXTENSION TUBE**
- Add to your existing lenses for close-up shots.

**TELECONVERTER**
- Enhance the reach of selected XF lenses.

**M MOUNT ADAPTER**
- Convert M Mount lenses to the X Mount.
The X-T2 captures approx. 1.8x the required number of pixels for 4K video (29.97p, 25p, 24p, 23.98p) and 2.4x the required data for full HD video (59.94p 50p 29.97p 25p 24p 23.98p) to deliver superior movie quality free from moiré or artifacts. It also supports the high bit rate of 100Mbps.

Outstanding 4K high-definition video
The X-T2 is the first camera to feature the Boost mode, improving AF speed and EVF refresh rate. When fitted with the grip, the camera uses multiple batteries simultaneously to improve its performance on various aspects in the Boost mode, including continuous shooting, shooting interval, shutter release time lag and blackout time.

Simultaneous HDMI output to an external monitor
Video can be output via HDMI during recording, allowing you to simultaneously check footage on the camera’s LCD monitor or EVF and an external monitor. The data can even be recorded onto an external recorder as you film in the uncompressed format. As for 4K movie, you can choose log gamma “F-Log” to record a wider dynamic range than normal video mode.

Film Simulation on video recording
Film Simulation modes are available during video recording. Movie shooters can enjoy extra creativity, without the need for lengthy post-production, including monochrome video in ACROS and documentary-themed tones in Classic Chrome. You can also change settings such as aperture, shutter speed and exposure compensation while recording video.

High quality video recording

Grip specifically designed for the X-T2 to bring out the camera’s maximum potential

Vertical Power Booster Grip
The Vertical Power Booster Grip VPB-XT2 can fit two batteries to boost the maximum number of shots per charge to approx. 1,000. It not only lets you hold the camera vertically more confidently, but also features a shutter release button, Q button, focus lever command dials, AE-L button and more to maintain the same level of excellent operability during shooting. The grip features a tripod mounting socket in line with the camera’s optical axis, and is resistant to dust and moisture. The grip itself has battery-charging functionality, and is capable of fully charging two batteries in two hours.

Boost mode enhances performance
0.19 sec. » Simultaneous HDMI output to an external monitor
0.05 sec. » 8 fps » 11 fps0.17 sec. 0.045 sec.
HIGH-SPEED CONTINUOUS SHOOTING 11fps

Performance when BOOST mode is activated

Vertical Power Booster Grip

Video Shooting

Film Simulation on video recording

Outstanding 4K high-definition video

High quality video recording

Simultaneous HDMI output to an external monitor

Film Simulation on video recording

Vertical Power Booster Grip

Boost mode enhances performance

Film Simulation on video recording
Extensive range of accessories for the X-T2 System Chart