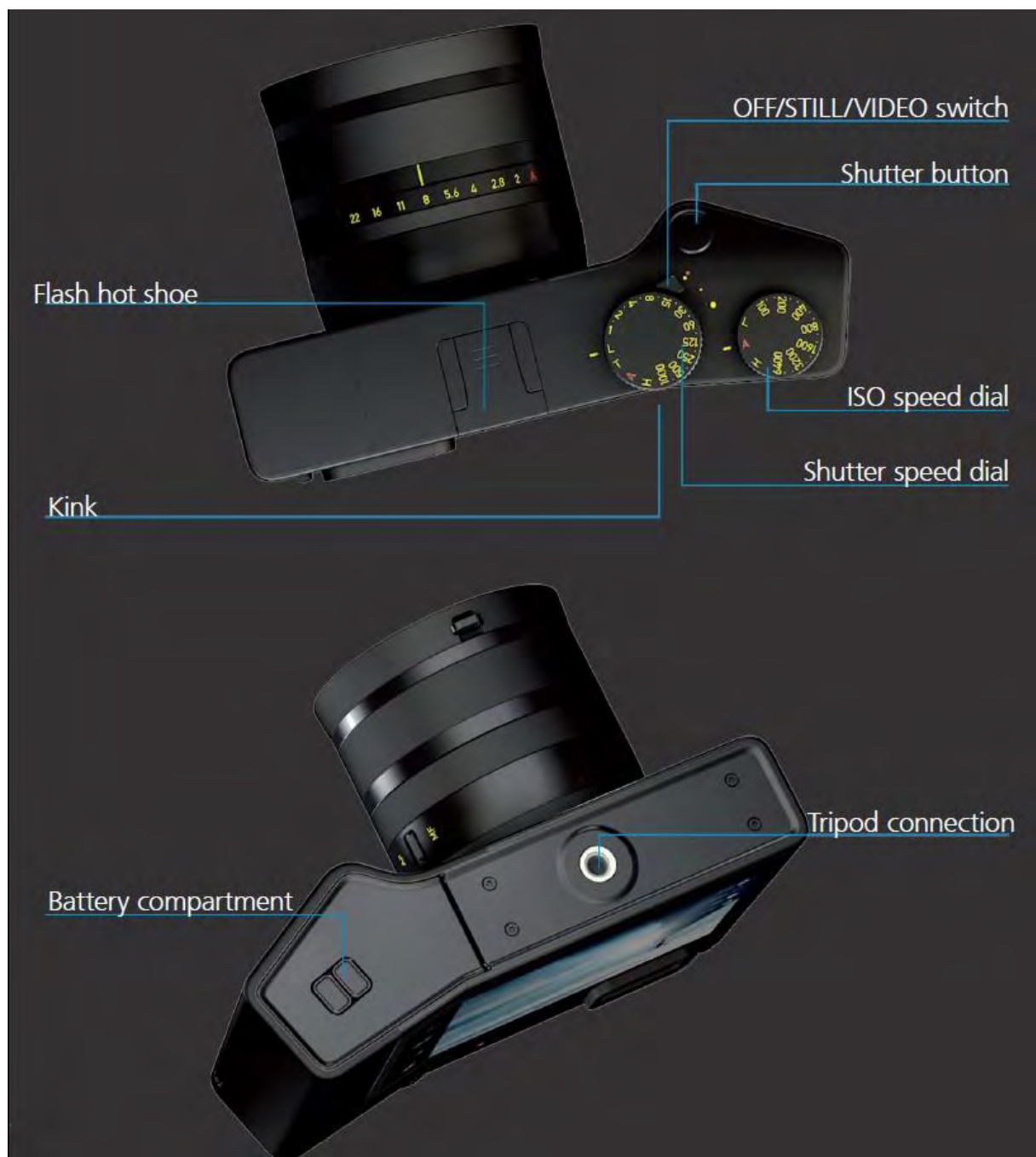


ZEISS ZX1 CAMERA

USER GUIDE



HARDWARE OVERVIEW





Wrong content.
This image wants
only to show the
style of the final
graphics.





AF ASSIST LAMP

The AF assist lamp lights up to illuminate the desired object in autofocus mode and gives feedback about the self-timer countdown.

AF/MF SWITCH

Use the AF/MF switch to choose between automatic and manual focus.

APERTURE RING

Use the aperture ring to control how much light enters the lens and reaches the sensor.

DIOPTER CONTROL

Use the diopter control while looking through the electronic viewfinder to adjust the diopter and accommodate to differences in vision.

FLASH HOT SHOE

Use the flash hot shoe to attach an external flash.

FN BUTTON

Use the Fn button to lock desired focus and/or automatic exposure settings.

FOCUS RING

Use the focus ring to manually adjust the focus.

ISO SPEED DIAL

Use the ISO speed dial to control how sensitive the sensor is to the light that reaches it.

POWER SWITCH

The power switch is a 3-position toggle. Use it to switch on the camera, to switch between Still and Video Shooting mode, to switch to standby mode or to switch off the camera.

REAR LED

The rear LED gives feedback in various situations such as switching the camera on, charging the camera or during an upload process.

SHUTTER BUTTON

Use the shutter button to focus (half-press) and take a picture/start recording a video (full-press).

SHUTTER SPEED DIAL

Use the shutter speed dial to control how long the sensor is exposed to the light that reaches it.

SCOPE OF SUPPLY

- ZEISS ZX1 camera
- Lens shader
- Lens cap
- Protection ring
- Battery
- AC power adapter
- USB-C cable
- Camera strap and accessories
- Quick guide
- Safety and warranty leaflet

SAFETY INSTRUCTIONS

Please read the following safety instructions to prevent personal injury or damage to the ZX1 camera.

Safety and handling

- Do not point the camera directly toward bright light, e. g. the sun. This may lead to serious eye injuries.
- Do not fire the flash near the eyes, close to the skin, or other objects. This may lead to serious eye injuries or burns.
- Do not push hard on the lens or the back display. This may lead to cuts and skin irritation.
- Immediately stop using the camera if it smells odd or starts giving off smoke. Continued use may lead to physical injury.
- Use and store the camera only in temperatures ranging between 0 °C and 40 °C and a humidity of less than 85 %.

WARNING – Danger of injury.

- Keep the camera out of the reach of children. Children could choke on small parts; risk of strangulation from the camera strap or a cable.
- Do not fire the flash near the eyes of other people. This may lead to eye injuries.
- Do not fire the flash close to the skin or other objects. This may lead to burns.
- Do not directly look through the electronic viewfinder in bright light, e. g. the sun. This may lead to eye injuries.
- If you come into contact with leaking battery electrolyte
- (e. g. eyes, mouth, skin, and clothing), immediately rinse with water. This may lead to chemical burns and eye injuries.
- Do not push hard on the lens. This may lead to cuts and damage the camera.
- Do not push hard on the back display. This may lead to skin irritation due to leaking liquid crystal or damage the camera.
- Do not take apart or modify the camera. Touching the cameras internal parts may lead to physical injury.
- Immediately stop using the camera if it smells odd or starts giving off smoke. Continued usage may lead to physical injury.

WARNING – Risk of explosion.

- Do not use the camera in the presence of flammable gas.
- Do not place the battery near or directly in a naked flame.
- Only use the batteries recommended.

WARNING – Risk of fire.

- Do not expose the camera to water or any other liquid.
- Do not disassemble or short-circuit the battery.
- Do not expose the battery to water.
- Immediately stop using the battery if you notice any changes such as deformation or discoloration of the battery.

CAUTION – Damage to property.

- Keep the camera away from strong magnetic fields.
- Switch off the camera when camera use is prohibited due to -electromagnetic waves, e. g. in airplanes or hospitals.
- Unplug the power adapter when not in use.
- Do not drop the camera.
- Do not subject the camera to hard knocks.
- Do not place the camera in humid or dusty places.
- Do not use the camera if condensation forms on it.
- Do not point the camera at strong light sources.
- Do not let sand or dust enter the camera.
- Do not block the shutter curtain, e. g. with your finger.

BATTERY AND POWER ADAPTER

- Only use original ZEISS batteries.
- Replacing the battery with an incorrect battery type may lead to loss of property, and void the warranty.
- Batteries may explode if not handled properly.
- The power adapter can be used up to an altitude of 2,000 meters above sea level.
- In the case of any hazard like smoke or fire, disconnect the power supply from the power grid.
- If you are not using the camera for a long period, remove the battery from the camera and store it separately in a dry and cold place.
- Do not place the battery near or directly in a naked flame.
- Do not insert and remove the power adapter with wet hands.
- Prevent the terminal and plug of the power adapter from coming in contact with metal objects or dust.
- Regularly clean the power adapter and remove dust and dirt.
- There is no risk of leaking battery electrolyte.

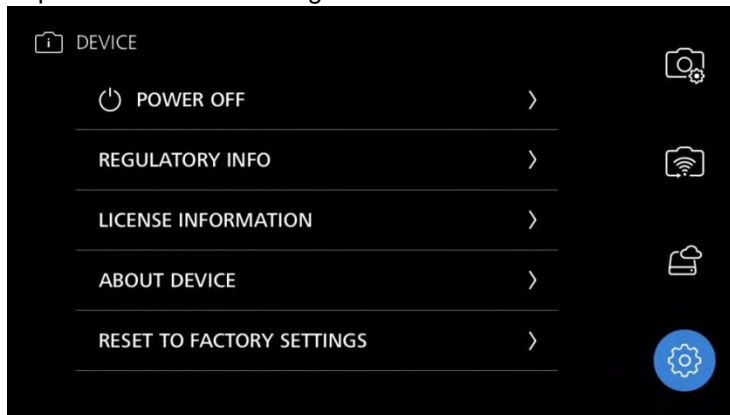
INTENDED USE

The ZX1 camera is intended for capturing pictures and videos in dry indoor and outdoor spaces only. Liability and warranty claims are excluded in the event of improper use.

REGULATORY INFORMATION

ACCESSING THE REGULATORY INFORMATION ON THE CAMERA

1. Switch to Settings mode.
2. Tap on the General settings icon.



3. Go to **DEVICE** > **REGULATORY INFO** to view regulatory information on the camera.



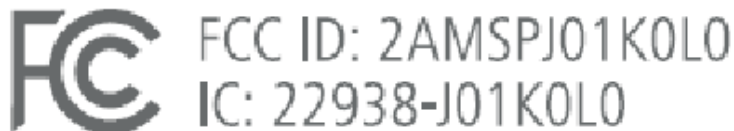
EUROPEAN DIRECTIVE OF REGULATION



When the camera left the factory, it was in a completely safe working condition. It meets the electromagnetic compatibility requirements set out in Directive 2014/53/EU and bears the CE test mark.

The EU declaration of conformity can be found at www.zeiss.com/zx1/register.

ACMA & CE CAMERA		
Mode	Highest	
	Head SAR-10g (W/kg)	Body SAR-10g (W/kg)
2.4G WLAN	0.03	0.52
5G WLAN	0.04	0.16
MAX SAR	0.04	0.52



FCC INFORMATION (USA)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Caution:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

Radiation Exposure Statement:

The product comply with the FCC portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

IC INFORMATION (CANADA)

This device complies with ISED's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Caution :

(i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

(iv) where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

Avertissement:

Le guide d'utilisation des dispositifs pour réseaux locaux doit inclure des instructions précises sur les restrictions susmentionnées, notamment :

(i) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(iv) lorsqu'il y a lieu, les types d'antennes (s'il y en a plusieurs), les numéros de modèle de l'antenne et les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, énoncée à la section 6.2.2.3, doivent être clairement indiqués

ICES 003 Compliance Label: CAN ICES-3 (B)/NMB-3(B)

FOR PORTABLE DEVICE USAGE (<20m from body)

Caution:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Radiation Exposure Statement:

The product comply with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

Déclaration d'exposition aux radiations:

Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les Etats-Unis et le Canada établies pour un environnement non contrôlé.

Le produit est sûr pour un fonctionnement tel que décrit dans ce manuel. La réduction aux expositions RF peut être augmentée si l'appareil peut être conservé aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.

RUSSIA

Подтверждение соответствия Минкомсвязи России

(Confirmation of conformity of the Ministry of Communications of Russia):

Декларация соответствия № Д-РД-xxxx от DD.MM.YYYY года, действительна до DD.MM.YYYY года, зарегистрирована в Федеральном агентстве связи DD.MM.YYYY года.

(The Declaration of Conformity No. D-RD-xxxx from DD.MM.YYYY of the year, valid until DD.MM.YYYY of the year, is registered with the Federal Communications Agency DD.MM.YYYY of the year.

SOUTH KOREA

이장치는이동전화, Wi-Fi

또는블루투스장치등무선통신장치와매우근접한장소에서사용할경우오작동을일으킬가능성이
있습니다.

해당무선설비는전파혼신가능성이있으므로인명안전과관련된서비스는할수없음.

해당무선설비는 5150~5250GHz 대역에서실내에서만사용할수있음

본제품의전자파흡수율시험은 0 cm 거리에서측정되었습니다.

(This product may cause malfunction if it is used nearby wireless communication equipment
such as a cell phone, an Wi-Fi or Bluetooth device or etc.

This wireless equipment cannot provide a service related to human safety since it may cause
radio interference.

This wireless equipment can be used only indoors under 5150~5250GHz.

When the Body SAR test has a distance, the test distance should be indicated in the warning
part.)

低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變
更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，
應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

*使用此產品時應避免影響附近雷達系統之操作。

SPECIFICATIONS

DIMENSIONS

Weight:	~800 g (with battery)
Size:	142 x 93 x 46 mm (+ 20 mm lens)

SENSOR

Type:	Fullframe 24 x 36 mm (3:2)
Resolution:	36 megapixels (7,488 x 4,992 px)
ISO sensitivity:	80 - 51,200
Shutter speed:	1/8,000 - 1 sec – infinite

LENS

Type:	ZEISS Distagon lens, eight elements in five groups, two double-sided aspherical lens elements
Aperture:	f2-22
Focal length:	35 mm
Minimum focus:	30 mm

DISPLAY

Dimensions:	4.34" LCD (1,280 x 720 px), 16:9
Resolutions:	338 ppi

ELECTRONIC VIEWFINDER (EFV)

Dimensions:	0.7" OLED (1,920 x 1,080 px)
Diopter range:	-3 to +3 dpt
View angle:	30° horizontal (image only), magnification 0.74x

APPS

Adobe Photoshop Lightroom CC (pre-installed)

BATTERY

Type:	DD-PS1E / DD-PS1A Rechargeable Li-ion Battery
Rated capacity:	3,190 mAh
Rated voltage:	7.2 V DC
Dimensions:	40.1 x 71.14 x 20.8 mm
Weight:	~108 g +/-15 %
Operating temperature:	0 °C to +40 °C / +32 °F to +104 °F
Battery life:	1 day of typical use, ~250 frames

POWER ADAPTER

Type:	EA1045SJR AC power adapter
Rated input:	100 V to 240 V AC, 50/60 Hz
Input capacity:	110 V: 91.6 VA 240 V: 128 VA
Rated output:	5.0 V DC @ 3.0 A, 9.0 V DC @ 3.0 A, 15 V DC @ 3.0 A, 20 V DC @ 2.25 A
Dimensions:	60 x 60 x 30 mm
Weight:	~120 g +/-15 %
Operating temperature:	0 °C to +40 °C / +32 °F to +104 °F

RECORDING AND STORAGE

Recording formats:	RAW format (DNG), JPEG, MP4
Video quality:	4K (3,840 x 2,160 px) up to 30 fps Full HD (1,920 x 1,080 px) up to 60 fps
Internal storage:	512 GB (or 256 GB for the small version) = 5,000 RAW images / 50,000 JPEG = 20 h video 4K 30 fps / Full HD 60 fps (max. 30 min/video)
External storage:	via USB-C

SHOOTING DETAILS

Drive modes:	Single
	Continuous (max. 5fps)
	Self-timer
	Interval, AE Bracketing
	Enhanced Imaging
	Panorama
Focus modes:	AF-S (single shot auto focus)
	AF-C (continuous auto focus)
	DMF
	Manual focus
Focus area:	17 x 15 spots, 1x1, 3x3, 5x5
Lock:	F and AE lock
Stabilization:	no

CONNECTIVITY

Wireless: NFC

Standards	According to ISO/IEC 18092 (Ecma 340) standard
Operating frequency (center frequency)	13.56 MHz

WiFi (802.11b/g/n/ac)

Standards IEEE 802.11a/b/g/n/ac (standard wireless protocol)

Operating frequency 5.18~5.24, 5.26~5.32, 5.5~5.7, 5.745~5.825 GHz U. S. A, Canada,
(center frequency) Taiwan: 2,412 MHz~2,462 MHz (11 channels) Other countries:
2,412 MHz~2,472 MHz (13 channels)

Access protocols Infrastructure

Bluetooth 4.0

Standards Bluetooth version 4.1 + HS (Bluetooth Low Energy)

Operating frequency 2,402 MHz~2,480 MHz
(center frequency)

Geotagging (via smartphone)

Remote control (via smartphone)

Hardware: USB-C 3.1

Microphone, headphones and HDMI via USB-C

FLASH

No built-in flash, additional flash available

AUDIO

Built-in microphone and speaker