

RICOH

imagine. change.

RICOH THETA SC2



RICOH THETA X **NEW**



RICOH THETA Z1 51GB



RICOH THETA SC2 for Business





360° experience.
360° you want to share right now.

Shot with RICOH THETA X



Capture the scenery around you with a single press of the shutter button.

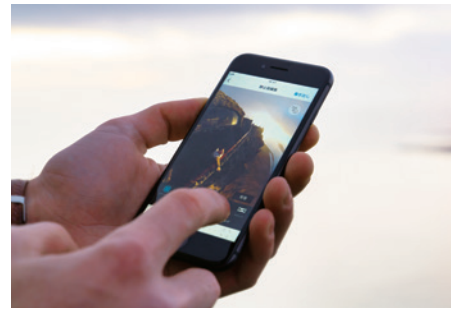
Capture high-quality still images of up to 11K* with a single shot. Record natural 360° images with high-precision stitching. Supports various shooting scenarios using a variety of shooting modes.

* RICOH THETA X



Use an app to view 360° images.

Transfer realistic still images and 4K videos to a smartphone and view them. Pinch-in, pinch-out and slide to rotate the images and videos to move in any direction to view them.



Play with various edit functions and enjoy the changes.

THETA+ enables you to edit settings such as the view and color tones. You can also attach stamps, animate still images and edit videos.



Share 360°. Various ways to enjoy.

Post images to social media to easily enjoy 360° still images and videos. Using a VR headset can provide an immersive experience as though you are actually in the scene. Live streaming is also possible*.

* RICOH THETA Z1, RICOH THETA X



Shot with RICOH THETA Z1, edited in Adobe Photoshop Lightroom Classic, etc.



Shot with RICOH THETA Z1, edited in Adobe Photoshop Lightroom Classic, etc.

Apps

RICOH THETA

Basic app for smartphone.
Enables 360° image remote shooting,
various shooting settings, viewing and sharing.



THETA+

Editing app for smartphone.
Enables editing of 360° still images
and videos shot with RICOH THETA.



App for computer

An app to view images on a computer. Enables you
to view captured 360° images and manage plug-ins.

Official website

RICOH THETA official website

Find the latest product
and app information
and a gallery of sample images
that you can move and explore.
<https://theta360.com>



THETA Lab.

We feature topics such as
camera shooting techniques
and tips to help you
enjoy THETA.



<https://www.thetalab.ricoh/en/>

RICOH THETA Official SNS Pages

We are showing recommended information such as
introduction of example images, latest news, event, etc.



For Business

THETA expands business possibilities.

Real estate



Allows anyone to easily shoot property
and create virtual tours. Provide customers
with an experience as though they had
actually visited the property, achieving
efficient customer attraction and business
activities from your store or website.



Construction & architecture



Accurately record the entire work site in detail.
While looking at positions on drawings, you
can check 360° images and directly write down
instructions. Also allows you to compare the
construction before and after to understand
how things are progressing at a glance.



RICOH THETA Products

RICOH THETA Z1 51GB

Accessories: USB cable and soft case Color: Black

RICOH THETA X

Accessories: USB cable, Soft case, Rechargeable battery Color: Metallic Gray

RICOH THETA SC2/SC2 for Business

Accessories: USB cable and soft case Color: Pink, Blue, Beige, White / Gray

Specifications		
Lens F number	F2.1, 3.5, 5.6	F2.4
Object distance	Approx. 40cm - ∞ (from front of lens)	Approx. 40cm - ∞ (from front of lens)
Image Sensor Size	1.0 inch type (x2)	1/2.0 inch type (x2)
Image Sensor Effective Pixels	Approx. 20 megapixels (x2)	Approx. 48 megapixels (x2)
File Size Still Images	RAW: 7296x3648 JPEG: 6720x3360	11K: 11008x5504 (Approx. 60 megapixels) 5.5K: 5504x2752 (Approx. 15 megapixels) 5.7K: 5760x2880/30fps/120Mbps, 64Mbps, 32Mbps*9 4K: 3840x1920/60fps/120Mbps, 64Mbps, 32Mbps*9 4K: 3840x1920/30fps/100Mbps, 54Mbps, 32Mbps 2K: 1920x960/30fps/32Mbps, 16Mbps, 8Mbps
File Size Videos	4K: 3840x1920/29.97fps/56Mbps 2K: 1920x960/29.97fps/16Mbps	4K: 3840x1920/60fps/120Mbps, 64Mbps, 32Mbps*9 4K: 3840x1920/30fps/100Mbps, 54Mbps, 32Mbps 2K: 1920x960/30fps/32Mbps, 16Mbps, 8Mbps
Live Streaming (USB)	4K: 3840x1920/29.97fps/120Mbps 2K: 1920x960/29.97fps/42Mbps	4K: 3840x1920/30fps/100Mbps*10
File format	Still image: RAW (DNG)*2, JPEG (Exif Ver2.3) Video: MP4(Video: MPEG-4 AVC/H.264, Audio: AAC-LC(monaural)+Linear PCM(4ch Spatial audio)) Live Streaming: Video:H.264, Audio: Linear PCM(4ch)	Still image: JPEG (Exif Ver2.3.1) Video: MP4 (Video: MPEG-4 AVC/H.264, Audio: AAC-LC(1ch)) Live Streaming: Video: H.264, Audio: AAC-LC(1ch)
Recording medium	Internal memory: Approx. 51GB	Internal memory: Approx. 46GB microSDXC Memory Card (64GB or higher, and conforms to UHS-I interface and Video speed class V30, exFAT format)
Number of photos that can be recorded, time*1	Still image: RAW+ Approx. 900 photos, JPEG Approx. 6350 photos 2K: 1920x960/29.97fps/42Mbps Video (time per recording): Max. 5 minutes/Max. 25 minutes*3*4 Video (total recording time):(4K)Approx. 110 minutes, (2K) Approx. 360 minutes	With an internal memory (Approx. 46GB) Still image: (11K) Approx. 4600 photos, (5.5K) Approx. 11500 photos Video (time per recording): Max. 5 minutes/Max. 25 minutes*10 Video (total recording time): 5.7K/30fps/64Mbps: Approx. 100 minutes 4K/60fps/64Mbps: Approx. 100 minutes 4K/30fps/54Mbps: Approx. 115 minutes 2K/30fps/16Mbps: Approx. 395 minutes
Shutter speed	Still image: [AUTO]1/25000 sec. to 1/8 sec., [Shutter Priority]1/25000 sec. to 15 sec.*3 [Manual]:1/25000 sec. to 60 sec.*3 Video: [AUTO]1/25000 sec. to 1/30 sec., [Shutter Priority, Manual]1/25000 sec. to 1/30 sec.*3 Live Streaming: [AUTO]1/25000 sec. to 1/30 sec.	Still image: [AUTO] 1/16000 sec. to 1/8 sec (When the camera is determined to be stationary: Up to 1/2 seconds), [Shutter Priority, ISO Priority] 1/16000 sec. to 15 sec., [Manual] 1/16000 sec. to 60 sec. Video: 1/16000 sec. to 1/30 sec. Live Streaming: 1/16000 sec. to 1/30 sec.
ISO sensitivity (standard output sensitivity)	Still image, Video: [AUTO]ISO80 to 6400, The Upper Limit settings ISO200 to 6400, [ISO Priority, Manual]ISO80 to 6400*3 Live Streaming: [AUTO]ISO80 to 6400	Still image, Video: [AUTO, Shutter Priority] ISO50 to 3200, The Upper Limit settings ISO100 to 3200, [ISO Priority, Manual] ISO50 to 3200 Live Streaming: ISO50 to 3200
Exposure compensation	Still image, Video: -2.0 to +2.0EV, 1/3EV step*3	-2.0 to +2.0EV, 1/3EV step
White balance mode	Still image, Video: Auto, outdoor, shade, cloudy, incandescent lamp 1, incandescent lamp 2, daylight color fluorescent lamp, natural white fluorescent lamp, white fluorescent lamp, light bulb color fluorescent lamp, Color temperature(2500K-10000K)*9Live Streaming: Auto	Auto, outdoor, shade, cloudy, incandescent lamp 1, incandescent lamp 2, daylight color fluorescent lamp, natural white fluorescent lamp, white fluorescent lamp, light bulb color fluorescent lamp, underwater, Color temperature(2500K-10000K)*11
Shooting mode	Still image, Video: Auto, Aperture priority, Shutter priority, ISO priority, Manual*3 Live Streaming: Auto	Still image, Video: Auto, Shutter Priority, ISO Priority, Manual Live Streaming: Auto
Shooting Functions	Still image: Noise reduction, DR compensation, HDR Rendering, Handheld HDR rendering, Interval shooting, Interval Composite shooting, Multi bracket shooting, Animation Photo shooting, Self-timer (2~10sec.), My Settings Video: Self-timer (2~10sec.), My Settings	Still image: Noise reduction, HDR Rendering, Continuous shooting, Time shift, Interval shooting, Multi bracket shooting, Self-timer (1~10sec.), My Settings Video: Self-timer (1~10sec.), My Settings
Presets	-	-
Display Panel	0.93 inch Organic light emitting display Panel, 128x36 dots, Automatic brightness adjustment function	Type: 2.25 inch TFT color LCD, 360x640 dots, Automatic brightness adjustment function Touch Screen: Capacitive sensing method
Wireless Communications Standard	IEEE802.11 a/b/g/n/ac (2.4GHz/5GHz)*5, IEEE802.11 b/g/n (2.4GHz Only), Bluetooth 4.2	IEEE802.11 a/b/g/n/ac (2.4GHz/5GHz)*5, IEEE802.11 b/g/n (2.4GHz Only), Bluetooth 5.0
External interface	USB Type-C, USB3.0	USB Type-C, USB3.2 gen1
Power source	Lithium ion battery (built in)*6	Rechargeable battery DB-110 (1350mAh)*6
Battery life	Still image: Approx. 300 photos*7 Video: Approx. 60 minutes*7	Still image: Approx. 220 photos*7 Video: 5.7K 30fps Approx. 30 minutes, 4K 30fps Approx. 55 minutes*7
Exterior/external dimensions	48mm (W) x 132.5mm (H) x 29.7mm (24mm*8) (D)	51.7mm (W) x 136.2mm (H) x 29.0mm (21.5mm*8) (D)
Weight	Approx. 182g	Approx. 170g (Included dedicated battery and SD memory card), Approx. 144g (Body only)
Usage temperature range	0°C - 40°C	0°C - 40°C

*1: The number of photos and time are guides only. The actual number differs according to the photography conditions. *2: Only RAW and JPEG can be recorded simultaneously. *3: A smartphone is required to change modes or configure manual settings. *4: Automatic shut down if the internal temperature increases when shooting continuously, etc. *5: That differs depending on the region. *6: Charge the battery by connecting it to a PC using the supplied USB cable. *7: The number of photos that can be taken is a guide based on RICOH's measurement method. The actual number differs according to usage conditions. *8: Excluding lens section. *9: Available when the wireless LAN is off or when power is supplied via the AC Adaptor K-AC166* (Not included) connected without the battery inserted. *10: If the temperature in the camera rises, shooting will end automatically. The maximum shooting time for recording 5.7K/30 fps and 4K/60 fps videos is approx. 10 minutes (at an ambient temperature of 25°C) due to the temperature rise of the camera. The maximum time for streaming 4K/30 fps live streaming is approx 25 minutes (at an ambient temperature of 25°C). If the temperature in the camera rises rapidly due to the surrounding environment or shooting conditions, the shooting time will be even shorter. *11: The Color temperature can be set for Still image or Video mode. *12: These three presets are loaded on the RICOH THETA SC2. *13: Room, which is a preset that enables shooting with HDR settings, starts each time the power is turned on. Room is a preset loaded on the RICOH THETA SC2 for Business and assumes shooting using a tripod such as the RICOH THETA Stand TD-1. For RICOH THETA Z1 51GB and RICOH THETA X sold in Japan, there is a restriction on the use of some plug-ins that operate in the client mode and the development of plug-ins.

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Caution | In order to use this product safely and correctly, please carefully read the manual before use.

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Accessories (Sold Separately)

- Lens Cap TL-1/TL-2/TL-3**
- RICOH THETA Stand TD-1**
- Soft Case TS-1**
•White •Black
- RICOH THETA Stand TD-2**
- Semi-hard Case TS-2**
- Hard Case TH-2**
- Extension Adapter TE-2**
- RICOH THETA Stick TM-2**
- Attachment for Strap AT-1**
•Silver •Gray •Green
•Blue •Orange
- RICOH THETA Stand Weight TT-1**
- RICOH THETA Smartphone Holder TO-1**
- Soft Case with Strap TS-3**
- Rechargeable Battery DB-110**
- Remote Control TR-1**