

**RICOH**  
imagine. change.



RICOH THETA Z1  
RICOH THETA V  
RICOH THETA SC2

Θ THETA



Enjoy complete freedom of viewing and editing with RICOH THETA, which can capture a full 360° image in a single shot. RICOH THETA changes both imaging expressions and experiences.



### Shoot

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

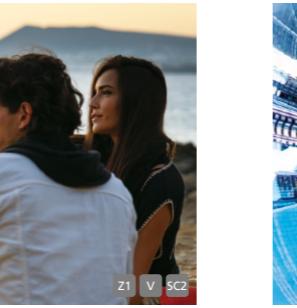
Use an application to view 360-degree images

Play with various edit functions and enjoy the changes

Post images to social media from the app and share with the world

Simple but authentic. RICOH THETA delivers amazing high performance in an easy to use design.

Capture high-quality still images with a single shot.



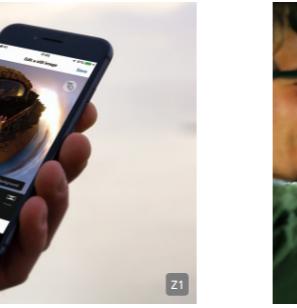
Record 4K video for completely realistic reproduction of "the space".



Slim and compact body thanks to original optical technologies.



Authentic editing such as RAW development and filters is possible.



Supported real-time 4K live streaming.



A 360° VR experience as if you were actually in the scene is possible.



App



Remotely shoot spherical images, adjust shooting settings, view and share images. This is the basic app for smartphone and tablet.



A specialized smartphone app for editing 360° still images and videos taken with the RICOH THETA.



This computer app lets you convert, view, and share recorded spherical images.

Official website

Visit the RICOH THETA official website for more information on 360-degree sample photos



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.



# RICOH THETA Products



**RICOH THETA Z1**  
Accessories: USB cable and case



**RICOH THETA V**  
Accessories: USB cable and case



**RICOH THETA SC2**  
Accessories: USB cable and case

## Accessories (Sold Separately)



Z1 V SC2



Z1 V SC2  
RICOH THETA Stick TM-3



V SC2 Z1  
Lens Cap TL-1



Z1  
Semi-hard Case TS-2



Z1 V SC2  
Attachment for Strap AT-1  
•Silver •Grey •Green  
•Blue •Orange



V SC2  
Soft Case TS-1  
•White •Black



V SC2  
Hard Case TH-2



Z1 V SC2  
Extension Adapter TE-1



V SC2  
3D Microphone TA-1  
Wind screen included



V SC2  
Underwater Housing TW-1

Specifications		
Lens F number	F2.1, 3.5, 5.6	F2.0
Object distance	Approx. 40 cm - ∞ (from front of lens)	Approx. 10 cm - ∞ (from front of lens)
Image Sensor Size	1.0- inch type (x2)	1/2.3 inch type (x2)
Image Sensor Effective Pixels	Approx. 20 M (x2)	Approx. 12 M (x2)
File Size Still Images	RAW: 7296x3648 JPEG: 6720x3360	5376x2688
File Size Videos	4K: 3840x1920/29.97 fps/56 Mbps* <sup>9</sup> 2K: 1920x960/29.97 fps/16 Mbps	4K: 3840x1920/29.97 fps/56 Mbps* <sup>9</sup> 2K: 1920x960/29.97 fps/16 Mbps
File format	Still image: RAW (DNG)* <sup>1</sup> , JPEG (Exif Ver. 2.3) Video: MP4 (Video: MPEG-4 AVC/H.264, Audio: AAC-LC (monaural) +Linear PCM (4ch Spacial audio)) Live Streaming: Video: H.264, Audio: Linear PCM (4ch)	Still image: JPEG (Exif Ver. 2.3) Video: MP4 (Video: MPEG-4 AVC/H.264, Audio: AAC-LC (monaural)) Live Streaming: Video: MPEG-4 AVC/H.264, Audio: AAC-LC (monaural)
Recording medium	Internal memory: Approx. 19GB	Internal memory: Approx. 19GB
Number of photos that can be recorded, time* <sup>1</sup>	Still image: RAW+ Approx. 350 photos, JPEG Approx. 2400 photos Video (time per recording): Max. 5 minutes/Max. 25 minutes* <sup>3+4</sup> Video (total recording time): (4K) Approx. 40 minutes, (2K) Approx. 130 minutes	Still image: Approx. 4800 photos Video (time per recording): Max. 5 minutes /Max. 25 minutes* <sup>3+4</sup> Video (total recording time): (4K,H.264) Approx. 40 minutes (2K,H.264) Approx. 130 minutes
Shutter speed	Still image: (AUTO) 1/25000 sec. to 1/8 sec., (Shutter Priority) 1/25000 sec. to 1/8 sec.* <sup>3</sup> , (Manual) 1/25000 sec. to 60 sec.* <sup>3</sup> Video: (AUTO) 1/25000 sec. to 1/30 sec., (Shutter Priority, Manual) 1/25000 sec. to 1/30 sec.* <sup>3</sup> Live Streaming: (AUTO) 1/25000 sec. to 1/30 sec.	Still image: (AUTO) 1/25000 sec. to 1/8 sec., (Shutter Priority) 1/25000 sec. to 1/8 sec.* <sup>3</sup> , (Manual) 1/25000 sec. to 60 sec.* <sup>3</sup> Video: 1/25000 sec. to 1/30 sec. Live Streaming: 1/25000 sec. to 1/30 sec.
ISO sensitivity (standard output sensitivity)	Still image: Video: (AUTO) ISO80 to 6400, The Upper Limit settings, (ISO Priority, Manual) ISO80 to 6400* <sup>3</sup> Live Streaming: (AUTO) ISO80 to 6400	Still image: (AUTO) ISO 64 to 1600, (ISO Priority, Manual) ISO 64 to 3200* <sup>3</sup> Video: ISO 64 to 6400* <sup>3</sup> Live Streaming: ISO 64 to 6400
Exposure compensation	Still image, Video: -2.0 to +2.0EV, 1/3EV step* <sup>3</sup>	Still image, Video: -2.0 to +2.0EV, 1/3EV step* <sup>3</sup>
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 (2500 K-10000 K)* <sup>3</sup> Live Streaming: Auto	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 (2500 K-10000 K)* <sup>3</sup>
Shooting mode	Still image, Video: Auto, Aperture priority, Shutter priority, ISO priority, Manual* <sup>3</sup> Live Streaming : Auto	Still image, Video: Auto, Shutter priority, ISO priority, Manual* <sup>3</sup> Live Streaming: Auto
Shooting Functions	Still image: Noise reduction, DR compensation, HDR Rendering, Interval shooting, Interval Composite shooting, Multi bracket shooting, Self-timer (2, 5, 10 sec.), MY Settings Video: Self-timer (2, 5, 10 sec.), MY Settings	Still image: Noise reduction, DR compensation, HDR Rendering, Interval shooting, Multi bracket shooting, Self-timer (2,5,10 sec.), My Settings Video: Self-timer (2,5,10 sec.), My Settings Preset: Face, Night View, Lens-by-Lens Exposure
OLED Panel	0.93 inch Organic light emitting display Panel, 128x36 dots, Automatic brightness adjustment function	-
Wireless Communications Standard	IEEE802.11 a/b/g/n/ac (2.4 GHz/5 GHz)* <sup>5</sup> , IEEE802.11 b/g/n (2.4 GHz Only), Bluetooth 4.2	IEEE802.11 a/b/g/n/ac (2.4 GHz/5 GHz)* <sup>5</sup> , IEEE802.11 b/g/n (2.4 GHz Only), Bluetooth 4.2
External interface	USB Type-C, USB3.0	microUSB: USB2.0, microphone terminal
Power source	Lithium ion battery (built in)* <sup>6</sup>	Lithium ion battery (built in)* <sup>6</sup>
Battery life	Still image: Approx. 300 photos* <sup>7</sup> Video: Approx. 60 minutes* <sup>7</sup>	Still image: Approx. 300 photos* <sup>7</sup> Video: Approx. 80 minutes* <sup>7</sup>
Exterior/external dimensions	48 mm (W) x 132.5 mm (H) x 29.7 mm (24 mm*) (D)	45.2 mm (W) x 130.6 mm (H) x 22.9 mm (17.9 mm*) (D)
Weight	Approx. 182 g	Approx. 121 g
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 and time that can be taken are guides based on RICOH's measurement method. The actual number differs according to usage conditions. \*8: Excluding lens section. \*9: 4K video transfer is not possible on the iOS devices that cannot handle 4K video. Please check the FAQ on the official website.

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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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