

Clifton Cameras Specifications Sheet

For the

Ricoh Theta Z1 Camera

Object distance	Approx. 40cm to infinity (from front of lens)
Shooting mode	Still image/Video: Auto, Aperture priority, Shutter priority, ISO priority, Manual ^{**1} Live streaming: Auto
Exposure compensation	Manual compensation (-2.0 - +2.0EV, 1/3EV step) ^{**1}
ISO sensitivity (standard output sensitivity)	Auto (upper limit adjustable), manual (ISO80–6400) ^{**1}
White balance mode	Still image/Video: Auto, Outdoor, Shade, Cloudy, Incandescent light 1, Incandescent light 2, Daylight color fluorescent light, Natural white fluorescent light, White fluorescent light, Light bulb color fluorescent light, Color Temperature (2500 K to 10000K) ^{**1} Live streaming: Auto
Shutter speed	Still image: (Automatic) 1/25000 - 1/8 seconds, (Shutter-priority AE mode) 1/25000 - 1/8 seconds ^{**1} (Manual mode) 1/25000 - 60 seconds ^{**1} Video: (Automatic) 1/25000 - 1/30 seconds (Shutter-priority AE mode/Manual mode) 1/25000 - 1/30 seconds ^{**1} Live streaming: 1/25000 - 1/30 seconds
Recording medium	Internal memory: Approx. 19GB
Number of photos that can be recorded, time ²	Still image: RAW+ Approx. 350photos ² , JPEG Approx. 2400photos ² Video (time per recording): Max. 5 minutes/25 minutes ³ Video (total recording time): Approx. 40 minutes (4K) Approx. 130 minutes ² (2K)
Information display monitor ⁴	0.93-inch organic EL (OLED) panel, 128x36 dots, automatic brightness adjustment
Power source	Lithium ion battery (built in) ^{**5}
Battery life	Still image: Approx. 300 photos ^{**6} Video: Approx. 60 minutes ⁶
Image file format	Still image: RAW (Adobe DNG version 1.2.0.0), JPEG (Exif Ver2.3) Video: MP4 (Video: MPEG-4 AVC/H.264, Audio: AAC-LC (mono) + Linear PCM (4ch spatial audio)) Live streaming: (Video: H.264, Audio: Linear PCM(4ch))
External interface	USB Type C : USB3.0
Remote Shutter	CA-3(Optional)
Exterior/external dimensions	48.2 mm (W) x 132.5 mm (H) x 29.7 mm (24 mm ⁷) (D)
Weight	Approx. 182g
Lens construction & Lens F-number	14 Elements in 10 Groups, F2.1, 3.5, 5.6
Image sensor size	1.0 (x2)
Image sensor effective pixels	20M (x2) * Output pixel count equivalent to Approx. 23M
File size (still images)	RAW:7296×3648 pixels JPEG:6720×3360 pixels
Video resolution/frame rate/bit rate	4K, H.264: 3840×1920/29.97fps/56Mbps 2K, H.264: 1920×960/29.97fps/16Mbps