

Clifton Cameras Product Specification

Ricoh Theta Z1 51GB

Specifications

Object distance	Approx. 40cm to infinity (from front of lens)
	Shooting mode Still image/Video: Auto, Aperture priority, Shutter priority, ISO priority, Manual
	Live streaming: Auto
Exposure compensation	Manual compensation (-2.0 - +2.0EV, 1/3EV step)
ISO sensitivity	Auto (upper limit adjustable), manual (ISO80–6400)
(standard output sensitivity)	
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)
	Live streaming: Auto
Shutter speed	Still image: (Automatic) 1/25000 - 1/8 seconds, (Shutter-priority AE mode) 1/25000 - 1/8 seconds (Manual mode) 1/25000 - 60 seconds
	Video: (Automatic) 1/25000 - 1/30 seconds (Shutter-priority AE mode/Manual mode) 1/25000 - 1/30 seconds
	Live streaming: 1/25000 - 1/30 seconds
Recording medium Internal memory:	Approx. 51GB
Number of photos that can be recorded	Still image: RAW+ Approx. 350photos, JPEG Approx. 2400photos
	Video (time per recording): Max. 5 minutes/25 minutes
	Video (total recording time): Approx. 40 minutes (4K)
	Approx. 130 minutes (2K)
Information display monitor	0.93-inch organic EL (OLED) panel, 128x36 dots, automatic brightness adjustment
Power source	Lithium ion battery (built in)



Battery life	Still image: Approx. 300 photos
	Video: Approx. 60 minutes
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 Fnumber	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:7296x3648 pixels
	JPEG:6720x3360 pixels
Video resolution/frame rate/bit rate	4K, H.264: 3840x1920/29.97fps/56Mbps
	2K, H.264: 1920x960/29.97fps/16Mbps