

- HIGHLIGHTS
- PHOTO
- VIDEO
- OTHER



Model	RICOH THETA Z1		RICOH THETA X		RICOH THETA A1	
Sensor size	1.0-inch type x2		1/2.0 type (×2)		1/2.0 type (×2)	
Lens F Number	F2.1 F3.5 F5.6		F2.4		F2.4	
Resolution	23MP (6720x3360)		60MP (11008x5504) 15 MP (5504x2752)		60MP (11008x5504) 15 MP (5504x2752)	
Still-Image Shooting functions	HDR Handheld HDR Noise reduction DR compensation Interval shooting Multi-bracketing shooting Self-timer (2 to 10 seconds)		HDR Noise reduction Continuous shooting Time shift Interval shooting Multi bracket shooting Self-timer (1~10sec.)		HDR Noise reduction Continuous shooting Time shift Interval shooting Multi bracket shooting Self-timer (1~10sec.)	
Format	JPG RAW (DNG)		JPG RAW (DNG) (with plugin)		JPG	
Average Capture time	Normal : JPG : 3.23s JPG + RAW : 6.58s HDR : JPG : 8.76s JPG + RAW : 13.2s		Normal : JPG : 5.4s HDR : JPG : 6.7s		Normal : JPG : 5.86s HDR : JPG : 7.34s	
Stitching accuracy	Perfect		Perfect		Perfect	
In-Camera stitching	Yes		Yes		Yes	
Video Resolution	4K: 3840×1920@30fps 2K: 1920×960@30fps		8K: 7680x3840@10/5/2fps 5.7K: 5760x2880@30/15/10/5/2fps 4K: 3840x1920@60/30/15/10fps 2K:3008x1504@60/30fps		8K: 7680x3840@10/5/2fps 5.7K: 5760x2880@30/15/10/5/2fps 4K: 3840x1920@60/30/15/10fps 2K:3008x1504@60/30fps	
Max. Video Bitrate	56Mbps		120Mbps		120Mbps	
Video Coding	H.264		H.264		H.264 H.265	
Audio	4ch - AAC-LC (monaural), PCM (4ch Ambisonics)		1ch - AAC-LC (monaural)		1ch - AAC-LC (monaural)	
Stabilization	Yes		Yes		Yes	
Video Shooting functions	Self-timer (2 to 10 seconds) My Settings		Self-timer (1 to 10 seconds) My Settings		Self-timer (1 to 10 seconds) My Settings HDR Video	
Live Streaming	4K: 3840×1920@30fps (120Mbps) 2K: 1920×960@30fps (42Mbps)		4K: 3840×1920@30fps (120Mbps) 2K: 1920×960@30fps (42Mbps)		4K: 3840×1920@15fps (600kps~20mbps) 4K: 3840×1920@30fps (600kps~20mbps) 2K: 1920×960@15fps (200kps~20mbps) 2K: 1920×960@30fps (200kps~20mbps)	
Battery	Built-in Rechargeable 1350mAh		Removable Rechargeable 1350mAh		Removable Rechargeable 1486mAh	
Run Time	Photo : Approx. 300 photos Video : 60 minutes - 4K		Photo : Approx. 250 photos Video : 30 minutes - 5.7K@30fps - 55 minutes - 4K@30fps		Photo : Approx. 3000 photos Video : 60 minutes - 5.7K@30fps	
Storage	51GB		46GB SD Card		27.5GB	
Touch Screen	No		Yes		No	
Plugin	Yes		Yes		No	
Wireless Frequency band	2.4 GHz : 2400 - 2483.5 MHz 5 GHz : 5170 - 5250 MHz		2.4 GHz : 2400 - 2483.5 MHz 5 GHz : 5170 - 5250 MHz		2.4 GHz : 2400 - 2483.5 MHz 5 GHz : 5170 - 5250 MHz, 5725 MHz, 5850 MHz	
GNSS	No		GPS, SBAS(WAAS, EGNOS, MSAS, GAGAN), QZSS, A-GPS		GPS, SBAS (WAAS, EGNOS, MSAS, GAGN), QZSS, GALILEO, DeiDou, GLONASS, Assist GPS	
Dustproof / Waterproof	No		No		IP64	
Usage Temperature range	0°C - 40°C		0°C - 40°C		-10°C - 40°C	
Usage Humidity range	90% or less		90% or less		90% or less	
Storage Temperature range	-20°C - 60°C		-20°C - 60°C		-20°C - 60°C	