HIGHLIGHTS

PHOTO

VIDEO

OTHER







Model	RICOH THETA Z1	RICOH THETA X	RICOH360 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.)	Noise reduction HDR Rendering Handheld HDR Time shift (Auto/Manual) Interval shooting Self-timer (2 - 10sec.)
Format	JPG RAW (DNG)	JPG RAW (DNG) (with plugin)	JPG
Average Power-On	17.83 seconds	19.93 seconds	4.73 seconds
Average Capture time	Normal : JPG : 4.80s HDR : JPG : 8.89s	Normal : JPG : 5.70s HDR : JPG : 8.40s	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@10/2fps 5.7K: 5760x2880@30/10/2fps 4K: 3840x1920@60/30fps 2K: 1920x960@30fps	8K: 7680x3840@10/5/2fps 5.7K: 5760x2880@10/5/2fps 4K: 3840x1920@30/10/5/2fps 2K: 1920x960@30fps
Max. Video Bitrate	56Mbps	120Mbps	84Mbps
Video Coding	H.264	H.264	H.264 H.265
Audio	AAC-LC (mono) + Linear PCM (4ch spatial audio)	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 (2 - 10sec.)
Live Streaming	Yes	Yes	No
Battery	Built-in Rechargeable	Removable Rechargeable 1350mAh	Removable Rechargeable 1485mAh
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. 300 photos Video : Approx. 60 minutes
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 : 5150 - 5250 MHz	2.4 GHz : 2400 - 2483.5 MHz 5 GHz : 5170 - 5250 MHz, 5725 - 5850 MHz
GNSS	No	GPS, SBAS(WAAS, EGNOS, MSAS, GAGAN), QZSS, GLONASS, A-GPS	GPS, SBAS (WAAS, EGNOS, MSAS, GAGAN), QZSS, GALILEO, BeiDou, GLONASS, A-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