

# TECH SPECIFICATION

## RICOH THETA X

Lens Construction	7 Elements in 7 Groups
Lens F Number	F2.4
Object Distance	Approx. 40cm – Infinite (From Front of Lens)
Image Sensor Size	1/2.0 Type (x2)
Image Sensor Effective Pixels	Approx. 48 Megapixels (x2)
File Size Still Images	11K: 11008x5504 (Approx. 60 Megapixels) 5.5K: 5504x2752 (Approx. 15 Megapixels)
File Size Videos	5.7K: 5760x2880/30 fps/120 Mbps, 64 Mbps, 32 Mbps (*). 4K: 3840x1920/60 fps/120 Mbps, 64 Mbps, 32 Mbps (*). 4K: 3840x1920/30 fps/100 Mbps, 54 Mbps, 32 Mbps. 2K: 1920x960/30 fps/32 Mbps, 16 Mbps, 8 Mbps
Live Streaming	4K: 3840x1920/30 fps/100 Mbps *1
File Format	Still Image: JPEG (Exif Ver. 2.3.1). Video: MP4 (Video: MPEG-4 AVC/H.264, Audio: AAC-LC (1ch). Live Streaming: Video: H.264, Audio: AAC-LC (1ch)
Recording Medium	Internal Memory: Approx. 46GB Micro SDXC Memory Card (64GB Or Higher, and Conforms To UHS-I Interface and Video Speed Class V30, exFAT Format)
Number of Photos That Can Be Recorded, Time *2	With Internal Memory (Approx. 46GB) - Still Image: (11K) Approx. 4600 Photos, (5.5K) Approx. 11500 Photos. Video (Time Per Recording): Max. 5 Minutes/Max. 25 Minutes *1. Video (Total Recording Time): 5.7K/30 fps/64 Mbps: Approx. 100 Minutes. 4K/60 fps/64 Mbps: Approx. 100 Minutes. 4K/30 fps/54 Mbps: Approx. 115 Minutes. 2K/30 fps/16 Mbps: Approx. 395 Minutes
Exposure Control Mode	Auto, Shutter Priority, ISO Priority, Manual
Shutter Speed	Still Image: (AUTO) 1/16000 Sec. To 1/8 Sec (When the Camera Is Determined to Be Stationary: Up to 1/2 Seconds), (Shutter Priority, ISO Priority) 1/16000 Sec. to 15 Sec. (Manual) 1/16000 Sec. to 60 Sec. Video: 1/16000 Sec. to 1/30 Sec. Live Streaming: 1/16000 Sec. to 1/30 Sec.
ISO Sensitivity (Standard Output Sensitivity)	Still Image, Video: (AUTO, Shutter Priority) ISO 50 to 3200, the Upper Limit Settings ISO 100 to 3200, (ISO Priority, Manual) ISO 50 to 3200. Live Streaming: ISO 50 To 3200
Exposure Compensation	-2.0 to +2.0EV, 1/3EV Step
White Balance Mode	Auto, Outdoor, Shade, Cloudy, Incandescent Lamp 1, Incandescent Lamp 2, Daylight Colour Fluorescent Lamp, Natural White Fluorescent Lamp, White Fluorescent Lamp, Light Bulb Colour Fluorescent Lamp, Underwater, Colour Temperature (2500K-10000K) *3
Shooting Mode	Still image, Video: Auto, Shutter Priority, ISO Priority, Manual. Live Streaming: Auto
Shooting Functions	Still Image: Noise Reduction, HDR Rendering, Continuous Shooting, Time Shift, Interval Shooting, Multi Bracket Shooting, Self-Timer (1~10sec.), My Settings Video: Self-Timer (1~10sec.), My Settings
Display Panel	Type: 2.25 Inch TFT Colour LCD, 360 X 640 Dots, Automatic Brightness Adjustment Function Touch Screen: Capacitive Sensing Method
Wireless Communications Standard	IEEE802.11 A/B/G/N/AC (2.4 GHz/5 GHz) *4 IEEE802.11 B/G/N (2.4 GHz Only) Bluetooth 5.0
GNSS	GPS, SBAS (WAAS, EGNOS, MSAS, GAGAN), QZSS, A-GPS
External Interface	USB Type-C, USB 3.2 Gen1
Remote Shutter	Remote Control TR-1
Power Source	Rechargeable Battery DB-110 (1350 mAh) *5
Battery Life	Still Image: Approx. 220 Photos *6. Video: 5.7K 30fps Approx. 30 Minutes, 4K 30fps Approx. 55 Minutes *6
Exterior/External Dimensions	51.7mm (W) x 136.2 mm (H) x 29.0 mm (21.5mm *7) (D)
Weight	Approx. 170g (Included Dedicated Battery and SD Memory Card), Approx. 144g (Body Only)

\*1 If the temperature in the camera increases, shooting will end automatically. The maximum shooting time for recording 5.7K/30 fps and 4K/60 fps videos is approx. 10 minutes (at an ambient temperature of 25°C) to prevent camera overheating. The maximum time for streaming 4K/30 fps live streaming is approx. 25 minutes (at an ambient temperature of 25°C). The firmware update adds 2K mode, which means that the maximum time for 2K/30 fps live streaming can be distributed for even longer durations. If the temperature in the camera rises rapidly due to the surrounding environment or shooting conditions, the shooting time will be even shorter. \*2 The number of photos and time are guides only. The actual number differs according to the photography conditions. \*3 The Colour temperature can be set for Still Image or Video Mode. \*4 That differs depending on the region. \*5 Charge the battery by connecting it to a PC using the supplied USB cable. \*6 The number of photos that can be taken is a guide based on RICOH's measurement method. The actual number differs according to usage conditions. \*7 Excluding lens section.



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