



Camera for 360-degree high resolution image of approx 60M and 5.7K 360 movie. Now with Touch screen, Interchangeable battery and External memory card

	ART. CODE	EAN
RICOH THETA X	910840	0026649564284

High resolution 360-degree still image and 5,7K movie

- Incorporating a new sensor with approximately 2x 48MP, it is now possible to capture high-resolution 360-degree still images with a maximum output of approximately 60MP.
- Enhanced image stabilization realizes vivid and smooth shooting for 360-degree videos to be captured at a 5.7K-equivalent resolution of 5760 x 2880 pixels at 30 frames per second (fps).

Large 2.25-inch touch screen display

- A range of operation from capture to viewing can be done without using a smartphone, offering vastly improved shooting efficiency.

Ability to switch battery and memory card

- Even when shooting long hours or capturing many images, users can continue shooting without worrying about remaining battery levels or storage capacity.

USB 3.0 (TYPE-C) for power supply during the use

- Through the USB Type-C port on the side of the main body, power can be supplied to the camera even during tripod use without using the optional extension adapter.

Connectivities with smartphone

- Connectivities with smartphone has been improved through the use of new wireless connection procedure via Bluetooth

High speed image transfer

- The camera achieves rapid HDR rendering and high speed image transfer to a smartphone.

Linking with image sharing services

- The RICOH THETA X links with image sharing services provided by Ricoh and other service distributor to improve user's workflows.

Included items

RECHARGEABLE BATTERY DB-110	37838	0027075300378
USB CABLE		
SOFT CASE		

Optional Accessories

RECHARGEABLE BATTERY DB-110	37838	0027075300378
BATTERY CHARGER BJ-11	37861	0027075300385
AC ADAPTER KIT K-AC166E	38371	0027075301030
LENS CAP TL-3	910833	0026649564598
SEMI-HARD CASE TS-2	910762	0026649107627
CABLE SWITCH CA-3	30004	0027075295650
REMOTE CONTROL TR-1	910769	0026649107696
STRAP HOLDER SILVER FOR THETA	910711	0026649107115
STRAP HOLDER GREY FOR THETA	910712	0026649107122
STRAP HOLDER GREEN FOR THETA	910713	0026649107139
STRAP HOLDER BLUE FOR THETA	910714	0026649107146
STRAP HOLDER ORANGE FOR THETA	910715	0026649107153
EXTENSION ADAPTER TE-1	910710	0026649107108
RICOH THETA STICK TM-2	910765	0026649107658
RICOH THETA STICK TM-3	910766	0026649107665
RICOH THETA STAND TD-1	910821	0026649564512
RICOH THETA STAND TD-2	910822	0026649564529
RICOH THETA STAND WEIGHT TT-1	910823	0026649564536
RICOH THETA SMARTPHONE HOLDER TO-1	910825	0027075301795

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RICOH THETA X

CAMERA TYPE	
TYPE	360-degrees, Full Spherical Camera
SENSOR	
TYPE	1/2 inch x 2
PIXELS	Effective: approx. 48 megapixels x2
SENSITIVITY	Still image, Video: [AUTO -Shutter Priority] ISO50 to 3200, The Upper Limit settings ISO100 to 3200, [ISO Priority, Manual] ISO50 to 3200) Live Streaming: [AUTO] ISO50 to 3200
NOISE REDUCTION	Automatic function
WHITE BALANCE	Auto,outdoor,shade, cloudy, incandescent lamp 1, incandescent lamp 2, daylight color fluorescent lamp, natural white fluorescent lamp, white fluorescent lamp, light bulb color fluorescent lamp, Underwater, Color temperature(2500K-10000K)- could be set for Still image or Video mode
LENS	
ANGLE OF VIEW	360° Full Spherical
APERTURE	F2.4
CONSTRUCTION	7 elements in 7 groups
FOCUS SYSTEM	
TYPE	Fixed fokus
OBJECT DISTANCE	Approx. 40cm - ∞ (from front of lens)
EXPOSURE CONTROL	
METERING SYSTEM	Integral
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.
EV COMPENSATION	Still image, Video: -2.0 to +2.0EV, 1/3EV step
EXPOSURE CONTROL	Auto, Shutter Priority, ISO Priority, Manual
SHOOTING FEATURES	
DRIVE MODES	Still image, Video: Auto, Live Streaming
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
RECORDING MEMORY	
BUILT-IN MEMORY	Approx. 46GB
STORAGE MEDIA	microSDXC Memory Card (64GB or higher, and conforms to UHS-I interface and Video speed class V30, exFAT format)
RECORDING	
STILL	
RECORDED PIXELS	JPEG (Exif Ver. 2.3.1) 11K: 11008 x 5504 (Approx. 60 megapixels) 5,5K: 5504 x 2752 (Approx. 15 megapixels)
NUMBER OF PHOTOS THAT CAN BE RECORDED ON INTERNAL MEMORY	(11K) Approx. 4600 photos, (5.5K) Approx. 11500 photos *The number of photos are guides only. The actual number differs according to the photography conditions.
MOVIE	
RECORDED PIXELS	MP4 (Video: MPEG-4 AVC/H.264, Audio: AAC-LC(1ch)) 5.7K: 5760 x 2880 /30fps /120Mbps,64Mbps,32Mbps (*) 4K: 3840 x 1920 /60fps /120Mbps,64Mbps,32Mbps (*) 4K: 3840 x 1920 /30fps /100Mbps,54Mbps,32Mbps 2K: 1920x960 /30fps /32Mbps,16Mbps,8Mbps (*)Available when the wireless LAN is off or when power is supplied via the AC Adaptor K-AC166* (Not included) connected without the battery inserted.
NUMBER OF MOVIES THAT CAN BE RECORDED ON INTERNAL MEMORY	Video (time per recording): Max. 5minutes/Max. 25 minutes *1 Video (total recording time): 5.7K/30fps/120Mbps: Approx. 50 minutes 5.7K/30fps/64Mbps: Approx. 100 minutes 5.7K/30fps/32Mbps: Approx. 200 minutes 4K/60fps/120Mbps: Approx. 50 minutes 4K/60fps/64Mbps: Approx. 100 minutes 4K/60fps/32Mbps: Approx. 200 minutes 4K/30fps/100Mbps: Approx. 60 minutes 4K/30fps/54Mbps: Approx. 115 minutes 4K/30fps/32Mbps: Approx. 200 minutes 2K/30fps/32Mbps: Approx. 200 minutes 2K/30fps/16Mbps: Approx. 395 minutes 2K/30fps/8Mbps: Approx. 775 minutes
	If the temperature in the camera rises, 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) due to the temperature rise of the camera. The maximum time for streaming 4K/30 fps live streaming is approx 25 minutes (at an ambient temperature of 25°C). If the temperature in the camera rises rapidly due to the surrounding environment or shooting conditions, the shooting time will be even shorter.
	*The number of record are guides only. The actual number differs according to the photography conditions
LIVE STREAMING (USB)	4K: 3840x1920 /30fps /100Mbps *
	*If the temperature in the camera rises, 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) due to the temperature rise of the camera. The maximum time for streaming 4K/30 fps live streaming is approx 25 minutes (at an ambient temperature of 25°C). If the temperature in the camera rises rapidly due to the surrounding environment or shooting conditions, the shooting time will be even shorter.

TOUCH DISPLAY	
TYPE	2.25 inch TFT color LCD
FUNCTION	360 x 640 dots Automatic brightness adjustment function Capacitive sensing method Used to operate the menu and displays the shooting information and captured images.
	Touch operation is possible on this panel. <ul style="list-style-type: none"> • Shooting parameter setting • Camera Setting • Playback Screen • Plug-in selection The camera enables users to display a live view before shooting and perform tasks from shooting to viewing such as making various shooting settings and checking the image after shooting without the use of a smartphone
MOBILE COMMUNICATION	
WIRELESS LAN	
STANDARDS	IEEE802.11 a/b/g/n/ac (2.4GHz/5GHz) * IEEE802.11 b/g/n (2.4GH z Only)
FREQUENCY	2400MHz ~ 2483.5MHz 5150MHz ~ 5250MHz 2.4GHz:1 - 11ch or 1 - 13ch * 5GHz:W52 (36 - 48ch, Channel bandwidth 20/40/80MHz) *Depending on the region
USING CHANNEL	HTTP (Open Spherical Camera API Level2) , HTTPS (Plug-in Store, Update firmware) GPS, SBAS(WAAS, EGNOS, MSAS, GAGAN), QZSS, A-GPS
PROTOCOL	
BLUETOOTH*	Bluetooth 4.2 Bluetooth low energy technology using Profile: GATT (Generic Attribute Profile)
GNSS	GPS, SBAS(WAAS, EGNOS, MSAS, GAGAN), QZSS, A-GPS
CAMERA OPERATION SYSTEM	
RICOH THETA-APP	This functions as a remote control. Various settings can be made and the camera can be triggered.
RICOH THETA+ APP	With this App could be also GPS signal synchronized with image file. A lot of edit functions are available with the app "THETA+". E.g. different still picture animation could be done or video files could be edited "theta360.com" is the main webpage for product support, up-load portal and inform
POWER SUPPLY	
POWER SOURCE	Rechargeable battery DB-110 (1350mAh) Charged by connecting it to a PC using the supplied USB cable.
BATTERY LIFE	Still image:Approx. 220 photos Video:5.7K 30fps Approx. 30 minutes, 4K 30fps Approx. 55 minutes
	This numbers are guide based on RICOH's measurement method . The actual number differs according to usage conditions.
INTERFACES	
USB	USB Type-C, USB3.2 gen1
DIMENSIONS & WEIGHT	
DIMENSIONS	51.7mm (W) x 136.2mm (H) x 29.0mm (21.5mm) (D) (Excluding lens section) Included dedicated battery and SD memory card: Approx 170g, Body only: Approx 144 g
WEIGHT	
SPECIAL	
OPERATING TEMPERATURE	-0°C to 40°C
STORAGE TEMPERATURE	-20°C to 60°C
OPERATING HUMIDITY	90% or less
SYSTEM REQUIREMENTS	
	For operating the camera a smartphone with a dedicated App is required
PC	Windows® 7, Windows® 8.1, Windows® 10
MAC	Mac OS X 10.10, 10.11, 10.12, 10.13, 10.14
VISIT COMMUNITY AND SYSTEM WEBSITE	"theta360.com" is the main webpage for product support, up-load portal and information center