RICOH
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Waterproof up to 20m
Dustproof
Shockproof 2m
Coldproof -10°C
Wide Angle 202°
4K Video
Stereo Sound
8 Mega Pixels
LCD 1.5"
Wi-Fi

WG-M2
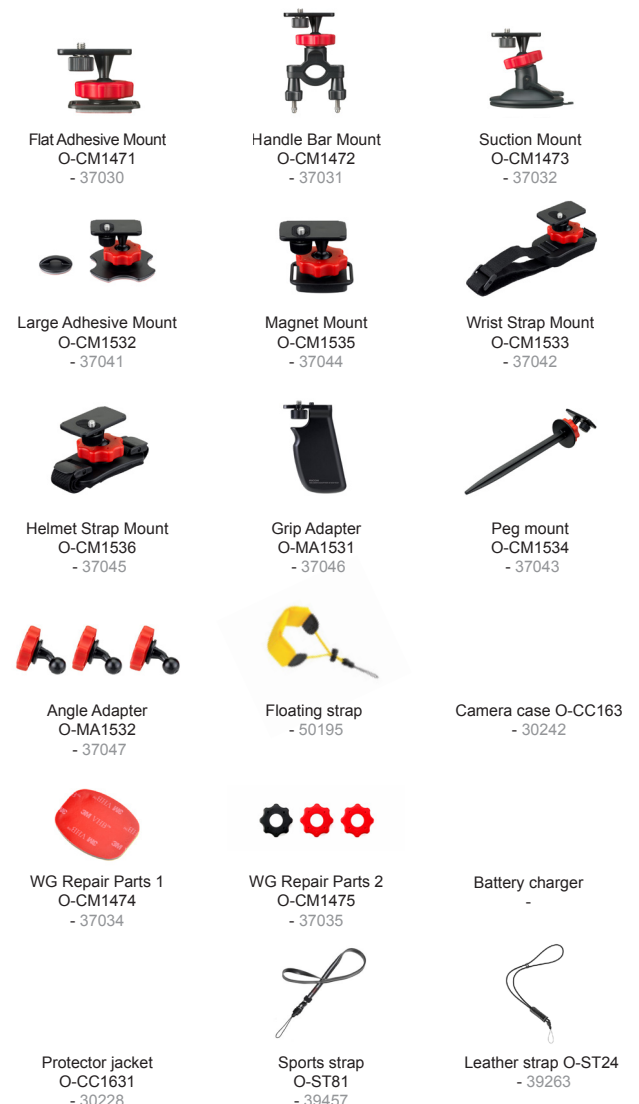## ACTION CAM

Color	Art. Code	EAN Code
Orange	03802	0027075296183
Silver	03814	0027075296282

SUPPLIED ACCESSORIES

Rechargeable Li Battery D-LI68 - 39063
Power Adapter D-PA164E - 30218
PENTAX USB Cable I-USB157 - 37019
Lens Protector O-LP1631
Underwater Lens Protector O-LP1632

ADVANTAGES

Waterproof and shockproof without housing
√ Tough construction (separate housing not required)
√ Waterproof to assure worry-free shooting at a depth of 20m
√ Shock-resistant from a 2m fall
√ Coldproof down to -10°C

High quality Video and Photo
√ 4K Video 3840x2160, 30p with high bit rate of 100Mbps
√ Stereo sound
√ 204° Extra wide-angle lens: 1.6mm (eq. 9.0mm in 35mm), Brightness: F2.0
√ Movie SR (Shake Reduction)
√ Shooting modes: Underwater, Burst shooting, Time-Lapse Movie, Extended Movie Recording, High Speed Movie
√ Optimum white balance in underwater shooting
√ High Speed Continuous Shooting up to 10 fps
√ HDMI Terminal

Ease of use
√ Built-in 1.5'' LCD screen, ideal for framing and viewing videos
√ LCD orientation function
√ Intuitive operation
√ Compact and light weight body

Connectivity and sharing
√ Built-in Wi-Fi for camera control, transfer and viewing of the photos from your smartphone or tablet
√ Sharing of videos and photos directly on social networks

Versatility in all sports and activities
√ Full range of accessories for outdoor fixtures to fit all situations

Dimensions: Approx. 57.4 (W)×34.1 (H)×77.8 (D)mm
Weight: 114g (body only)

OPTIONAL ACCESSORIES

Flat Adhesive Mount O-CM1471 - 37030
Handle Bar Mount O-CM1472 - 37031
Suction Mount O-CM1473 - 37032
Large Adhesive Mount O-CM1532 - 37041
Magnet Mount O-CM1535 - 37044
Wrist Strap Mount O-CM1533 - 37042
Helmet Strap Mount O-CM1536 - 37045
Grip Adapter O-MA1531 - 37046
Peg mount O-CM1534 - 37043
Angle Adapter O-MA1532 - 37047
Floating strap - 50195
Camera case O-CC163 - 30242
WG Repair Parts 1 O-CM1474 - 37034
WG Repair Parts 2 O-CM1475 - 37035
Battery charger -
Protector jacket O-CC1631 - 30228
Sports strap O-ST81 - 39457
Leather strap O-ST24 - 39263

CAMERA TYPE

Type	Action Camera for movie and photo

SENSOR

Number of pixels	Approx. 8 megapixels - effective
Sensor size	1/2.3'' CMOS
Sensitivity (Standard Output Sensitivity)	Still: ISO AUTO /AUTO-Hi /200 /400 /800 /1600 /3200 /6400 Movie: ISO AUTO /AUTO-Hi
Motion Blur Reduction	Electronic image stabilization (Movie SR) *1
White Balance	Auto, Auto (Outdoor), Manual

*1 Usable in Angle of View «Narrow» at movie. Angle of view to be reduced when Movie SR is on.

FILE FORMATS

Still	JPEG (conforms to Exif 2.3), conforms to DCF2, PRINT Image Matching III
Movie	MPEG-4 AVC / H.264 (MOV)
Number of Recorded pixels	Still: (4:3) 8M: 3264x2448, 5M: 2592x1944, (16:9) 6M: 3264x1840, 4M: 2592x1464, (1:1) 6M 2448x2448
	Movie: 4K (3840x2160: 30fps), Full HD (1920x1080: 60fps/30fps) HD (1280x720: 120fps/60fps/30fps)
Quality Level	Still: Fixed (Fine), Movie: S. Fine / Fine *2
Audio	PCM system, stereo sound
Storage Media	microSD / microSDHC / microSDXC Memory Card
Built-in memory	Approx. 68MB

*2 Fixed at "Fine" except Movie mode

LENS

Focal Length	1.6mm (approx. 9.0mm in 35mm format equivalent)
Maximum Aperture	F2.0
Construction	8 elements in 8 groups (6 aspherical elements) *3
Field of view	Wide, Medium, Narrow, Underwater
Maximum angle of view	Still image: Angle of view Wide: approx. 202° Angle of view Narrow: approx. 150° Movie: Angle of view Wide: approx. 204° Angle of view Narrow: approx. 151°
Lens protector / Underwater lens protector	In order to guarantee the waterproof and dustproof performance, please make sure to attach the lens protector to the camera all the time. Waterproof performance is guaranteed only when the camera is equipped with the underwater lens protector O-LP1632.

*3 The camera is equipped with the Lens Protector O-LP1631.

LCD DISPLAY

Type	1.5 inch LCD
Resolution	Approx. 115,000 dots
Editing	Save as Still Image, Divide Movies, Image Copy

FOCUSING

Type	Autofocus
Focus Range	0.2m - infinity

EXPOSURE CONTROL

Metering System	Multi Segment / Spot metering
Exposure control	Program AE
EV Compensation	+/- 2EV (1/2 EV steps)
Image Effect Modes	Bright, Natural, Monochrome, Shading, Bleach Bypass, Bold Monochrome, High Contrast *4

*4 At Still, Underwater Still Image, or Burst Shooting, only Bright, Natural or Monochrome is selectable.

SHOOTING FEATURES

Shooting modes	Still Image, Underwater Still Image, Burst shooting; Movie, Underwater Movie, Time-Lapse Movie, Extended Movie Recording, High Speed Movie
Shutter Speed	1/24000 - 1/4 sec.
Burst Shooting	8fps up to approx. 10 frames
High Speed Movie	4K (3840x2160: 30fps), Full-HD (1920x1080: 60fps/30fps), HD (1280x720: 120fps/60fps/30fps)
Shooting Settings	Angle of View (Wide, Narrow), LCD Orientation,(0°,180°,90°,270°), Wind Suppression(On, Off), Vibration(On, Off)

SPECIAL

Waterproof	20m: Equivalent to IPX8 / JIS Class 8 waterproof
Shockproof	2.0m: Conforming to Method 516.5-Shock of the MIL-Standard 810F
Dustproof	IP6X / JIS Class 6 dustproof capabilities
Freezeproof	-10°C
Languages	English, French, German, Spanish, Portuguese, Italian, Dutch, Japanese, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Thai, Korean, Chinese (Simplified and Traditional)

POWER SUPPLY

Power Source	Rechargeable lithium-ion battery D-LI68
Battery life	Still: approx. 450 pictures (using the rechargeable lithium-ion battery) *5 Movie recording: approx. 80 minutes (4K, Fine Settings) *6 Playback: approx. 160 minutes *6

*5 Recording capacity shows approximate number of shots recorded during CIPA-compliant testing. Actual performance may vary depending on operating conditions.
*6 According to the result of RICOH IMAGING in-house testing.

INTERFACES

Interfaces	USB2.0 (Micro B), HDMI output terminal (Type D)
Wireless interface	Standard: 802.11b/g/n Frequency: 2.4GHz band Security: WPA2

DIMENSIONS AND WEIGHT

Dimensions	Approx. 57.4 (W)×34.1 (H)×77.8 (D)mm (excluding the operation parts and protrusion)
Weight	Approx. 136g (including battery, microSD memory card and Lens protector O-LP1631) Approx. 114g (excluding battery, microSD memory card and Lens protector O-LP1631)

ACCESSORIES

Rechargeable lithium-ion battery, Power adapter, USB cable, Lens protector, Underwater lens protector