

WG-M2

ACTION CAMERA

| 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

OPTIONAL ACCESSORIES



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. 14mm in 35mm), Bright lens: 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)

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. 14mm 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-LP1631.

*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

STORAGE

| | Still image | | | | | Movie | | | | | | | | | | | |
|-----------------|-------------------------|--------------------------|-------------------------|-------------------------|--------------------------|------------------|---------------|----------------------|---------------|------------------|---------------|-------------------|----------------|------------------|---------------|------------------|---------------|
| | 8M [4:3] (3264x2448) | 6M [16:9] (3264x1840) | 6M [1:1] (2448x2448) | 5M [4:3] (2592x1944) | 4M [16:9] (2592x1464) | 4K 3840x2160 | | Full-HD 1920x1080 | | | | HD 1280x720 | | | | | |
| | | | | | | 30fps S. Fine | 30fps Fine | 60fps S. Fine | 60fps Fine | 30fps S. Fine | 30fps Fine | 120fps S. Fine | 120fps Fine | 60fps S. Fine | 60fps Fine | 30fps S. Fine | 30fps Fine |
| Built-in Memory | 38 | 46 | 46 | 53 | 69 | - | - | 00:00:12 | 00:00:18 | 00:00:22 | 00:00:33 | 00:00:14 | 00:00:21 | 00:00:22 | 00:00:33 | 00:00:36 | 00:00:52 |
| 8GB | 4199 | 5092 | 5092 | 5838 | 7479 | 00:10:19 | 00:17:06 | 00:24:09 | 00:35:55 | 00:44:18 | 01:04:18 | 00:28:04 | 00:41:31 | 00:44:18 | 01:04:18 | 01:11:11 | 01:42:14 |
| 16GB | 8575 | 10400 | 10400 | 11922 | 15275 | 00:21:06 | 00:34:57 | 00:49:21 | 01:12:22 | 01:30:30 | 02:11:22 | 00:57:21 | 01:24:50 | 01:30:30 | 02:11:22 | 02:25:26 | 03:28:50 |
| 32GB | 16857 | 20444 | 20444 | 23436 | 30027 | 00:41:29 | 01:08:43 | 01:37:02 | 02:24:15 | 02:57:55 | 04:18:15 | 01:52:45 | 02:46:47 | 02:57:54 | 04:18:14 | 04:45:55 | 06:50:32 |
| 64GB | 32465 | 40582 | 40582 | 44271 | 60873 | 01:24:06 | 02:19:19 | 03:16:44 | 04:52:26 | 06:00:41 | 08:43:33 | 03:48:35 | 05:38:06 | 06:00:40 | 08:43:31 | 09:39:38 | 13:52:14 |

The maximum length is 25 minutes or 4GB per file for movie. The maximum time which can be recorded as 1280x720 /120fps Movie mode is 4 minutes per file. (The movie will be played 4 times longer (4min).)

RICOH WG-M2 SYSTEM REQUIREMENTS

| | | | | | |
|-----------|----------------|------------|------------|--------------|-------------|
| Windows® | Windows Vista® | Windows® 7 | Windows® 8 | Windows® 8.1 | Windows® 10 |
| Macintosh | Mac OS X 10.6 | OS X 10.7 | OS X 10.8 | OS X 10.9 | OS X 10.10 |

Supported OS must be pre-installed in PC and updated to the latest version. USB port must be standard equipped.

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