



## ADVANTAGES

### Waterproof and shockproof without housing

- ✓ Tough construction (separate housing not required)
- ✓ Waterproof to assure worry-free shooting at a depth of 10m
- ✓ Exceptional shockproof capability; it can withstand a fall from a height of 2m
- ✓ Crushproof to a pressure up to 100kg
- ✓ Coldproof down to -10°C

### High quality Video and Photo

- ✓ Full HD Video 1920x1080p 30p for high-quality movie clips
- ✓ Extra wide-angle lens 3mm (eq. 16.8mm in 35mm) F2.8 with maximum field of view 160°
- ✓ CMOS 14MP sensor
- ✓ High quality stereo sound
- ✓ Shooting modes : Movie, Time lapse, loop recording and motion detection, Photo
- ✓ HDMI Terminal
- ✓ Underwater mode
- ✓ Burst shooting mode up to 10 fps

### Ease of use

- ✓ Built-in 1.5" LCD screen, ideal for framing and viewing videos
- ✓ Intuitive operation

### 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. 66.5(W)×42.5(H)×89.5(D)mm

**Weight :** 151g (body only)

# WG-M1

## THE HEART OF THE ACTION

Color	Art. Code	EAN Code
Orange	08287	0027075280021
Black	08272	0027075279896

## SUPPLIED ACCESSORIES

POWER ADAPTER GAC-03 EU - 38669  
 PENTAX USB CABLE I-USB152 - 38051  
 RICOH RECHARGEABLE LI BATTERY DB-65 EU - 174584  
 CARABINER STRAP O-ST153 - 38067  
 LENS PROTECTOR O-LP1531 - 38068  
 UNDERWATER LENS PROTECTOR O-LP1532 - 38069  
 WG FLAT ADHESIVE MOUNT O-CM1531

## OPTIONAL ACCESSORIES



## SENSOR

<b>Number of pixels</b>	Approx. 14 megapixels - effective
<b>Sensor size</b>	1/2.3" CMOS
<b>Number of Recorded pixels</b>	Still : (4:3) 14M : 4320x3240, 5M : 2592x1944 (16:9) 10M : 4320x2432 Movie : 1920x1080(30fps), 1280x960(50fps), 1280x960(30fps), 1280x720(60fps), 1280x720(30fps), 848x480(60fps), 848x480(120fps)
<b>Motion Blur Reduction</b>	Electronic image stabilization (movie only)
<b>Sensitivity (Standard Output Sensitivity)</b>	Automatic (ISO 100-800)

## LENS

<b>Focal Length</b>	3mm
<b>(in 35mm format equivalent)</b>	Approx. 16.8mm
<b>Field of view</b>	Wide, Medium, Narrow, Underwater
<b>Maximum field of view</b>	Still image : Approx. 160°(4:3 wide) Movie : Approx. 137°(1280x960)
<b>Maximum Aperture</b>	F2.8

## FILE FORMATS

<b>Still</b>	JPEG (conforms to Exif 2.3), conforms to DCF2.0
<b>Movie</b>	MOV/H.264, 30fps/50fps/60fps/120fps
<b>Audio</b>	PCM system, stereo sound
<b>Storage Media</b>	Built-in memory (approx. 100MB) microSD / microSDHC Memory Card

## FOCUSING

<b>Type</b>	Fix focus length
<b>Focus Range</b>	In air (Lens protector O-LP1531, Underwater lens protector O-LP1532) : 60cm~∞ Underwater (Underwater lens protector O-LP1532) : 80cm~∞
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## SHOOTING FEATURES

<b>White Balance</b>	AWB, Daylight, Cloudy, Fluorescent, Underwater
<b>Display</b>	1.5 inch LCD, approx. 115,000 dots
<b>Exposure Control</b>	Metering System : AiAE, Face AE (not switchable)
<b>Face detection</b>	10 people's faces
<b>Shooting modes</b>	Still, Movie, Time Lapse, Loop recording, Motion detection
<b>Playback modes</b>	Photo playback, Movie playback
<b>Drive modes</b>	Still : Single, Burst Shot

## INTERFACES

<b>Interfaces</b>	USB2.0 (Hi-Speed compatible), HDMI port (Type D)
<b>WireLess interface</b>	Standard : 802.11b/g/n Frequency : 2.4GHz band Security : WPA2

## STORAGE

	Still image			Movie							
	14M [4:3] (4320 x 3240)	5M [4:3] (2592 x 1944)	10M [16:9] (4320 x 2432)	1920x1080	1280x960		1280x720		848x480		
				30fps	50fps	30fps	60fps	30fps	60fps	120fps	
Built-in Memory	24	64	32	00:00:46	00:00:46	00:01:15	00:00:52	00:01:38	00:01:38	00:00:52	
1GB	229	602	304	00:07:54	00:07:54	00:12:24	00:08:48	00:15:59	00:15:59	00:08:47	
2GB	463	1216	614	00:16:03	00:16:03	00:25:13	00:17:51	00:32:23	00:32:22	00:17:51	
4GB	911	2391	1208	00:31:39	00:31:39	00:49:40	00:35:11	01:03:45	01:03:43	00:35:10	
8GB	1828	4800	2424	01:03:37	01:03:36	01:39:45	01:10:43	02:08:02	02:07:57	01:10:40	
16GB	3616	9491	4793	02:05:52	02:05:50	03:17:20	02:19:54	04:13:15	04:13:06	02:19:49	
32GB	7348	19287	9740	04:15:52	04:15:49	06:41:07	04:44:24	08:34:43	08:34:25	04:44:13	

\*The maximum length is 25 minutes for movie. \*The maximum time which can be recorded as 848x480 120fps Movie mode is 60 seconds per file. (The movie will be played 4 times longer(4min.))

## POWER SUPPLY

<b>Power Source</b>	Rechargeable lithium-ion battery DB-65
<b>Battery life</b>	Still : Approx. 350 pictures (using the rechargeable lithium-ion battery) *1 Movie recording : Approx. 150 minutes (using the rechargeable lithium-ion battery) *2 Playback : Approx. 400 minutes (using the rechargeable lithium-ion battery) *2

## DIMENSIONS AND WEIGHT

<b>Dimensions</b>	Approx. 66.5(W)×42.5(H)×89.5(D)mm (excluding the operation parts and protrusion)
<b>Weight</b>	Approx. 190g (including battery, microSD memory card, and Lens protector O-LP1531) Approx. 151g (excluding battery, microSD memory card, and Lens protector O-LP1531)

## ACCESSORIES

Rechargeable lithium-ion battery, Power adapter, USB cable, Carabiner strap, Quick start guide, Operating Manual (CD-ROM), WG Flat Adhesive Mount, Lens protector, Underwater lens protector

## OTHER DETAILED INFORMATION

<b>Water proof</b>	10m : Equivalent to IPX8 / JIS Class 8 waterproof
<b>Shock proof</b>	2.0m : Conforming to Method 516.5-Shock of the MIL-Standard 810F
<b>Dust proof</b>	IP6X / JIS Class 6 dustproof capabilities
<b>Freeze proof</b>	-10°C
<b>Approximate Image Storage Capacity and Recording Time</b>	*Reference another tab' --> [Storage]
<b>Charging time</b>	Approx. 200 minutes
<b>Recording time : 848x480 (120fps)</b>	Maximum recordable time : 60 seconds Maximum playback time : 4 minutes
<b>Lens protector / Underwater lens protector</b>	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-LP1532.
<b>Burst Shot</b>	Approx. 10fps (number of possible shots fixed)
<b>Languages</b>	English, Chinese (Simplified and Traditional), Japanese, Korean, French, Spanish, Portuguese, Thai, Indonesia, Vietnamese, Italian, German, Dutch, Russian, Polish, Swedish, Danish, Finnish, Norwegian, Greek, Turkish, Hungarian, Croatian, Czech, Arabic, Hindi
<b>Color model</b>	Orange / Black
<b>Verified memory card</b>	SanDisk SDHC 8GB Class4
<b>Others</b>	**Turn on : When the power is off, press and hold Power Button for more than 2 seconds to turn on the product; or press and hold Playback Button for more than 2 seconds to turn on the product and enter playback mode. *Turn off : When the power is on, press and hold Power Button for more than 2 seconds to turn off the product. *The maximum length is 25 minutes for movie."

## RICOH WG-M1 SYSTEM REQUIREMENTS

Windows®	Windows Vista®	Windows® 7	Windows® 8	Windows® 8.1
Macintosh	Mac OS X 10.6	OS X 10.7	OS X 10.8	OS X 10.9

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