RICOH
imagine. change.

WG-M1
THE HEART OF THE ACTION

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

WATERPROOF up to 10m · **DUSTPROOF** · **SHOCKPROOF 2m** · **CRUSHPROOF 100 Kg** · **COLDPROOF -10°C**

WIDE ANGLE 160° · **FULL HD VIDEO** · **STEREO SOUND** · **LCD 1.5"** · **MEGA 14 PIXELS** · **Wi-Fi**

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)

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

FLAT ADHESIVE MOUNTO-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

CARABINER - 38067

FLOATING STRAP - 50195

WG REPAIR PARTS 1 O-CM1474 - 37034

WG REPAIR PARTS 2 O-CM1475 - 37035

WG REPAIR PARTS 3 O-CM1476 - 37036

RICOH BATTERY CHARGER BJ-6 EU - 171874

RICOH HDMI CABLE HC-1 W/W - 173611

POWER ADAPTER GAC-03 EG - 38670

WG-M1

TECHNICAL SPECIFICATIONS

SENSOR

Number of pixels	Approx. 14 megapixels - effective
Sensor size	*1/2.3" CMOS*
Number of Recorded pixels	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)
Motion Blur Reduction	Electronic image stabilization (movie only)
Sensitivity (Standard Output Sensitivity)	Automatic (ISO 100-800)

LENS

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

FILE FORMATS

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

FOCUSING

Type	Fix focus length
Focus Range	In air (Lens protector O-LP1531, Underwater lens protector O-LP1532) : 60cm-∞ Underwater (Underwater lens protector O-LP1532) : 80cm-∞
Focus Range	In air (Lens protector O-LP1531, Underwater lens protector O-LP1532) : 60cm-∞ Underwater (Underwater lens protector O-LP1532) : 80cm-∞

SHOOTING FEATURES

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

INTERFACES

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

POWER SUPPLY

Power Source	Rechargeable lithium-ion battery DB-65
Battery life	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

Dimensions	Approx. 66.5(W)×42.5(H)×89.5(D)mm (excluding the operation parts and protrusion)
Weight	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

Water proof	10m : Equivalent to IPX8 / JIS Class 8 waterproof
Shock proof	2.0m : Conforming to Method 516.5-Shock of the MIL-Standard 810F
Dust proof	IP6X / JIS Class 6 dustproof capabilities
Freeze proof	-10°C
Approximate Image Storage Capacity and Recording Time	`Reference another tab' --> [Storage]
Charging time	Approx. 200 minutes
Recording time : 848x 480 (120fps)	Maximum recordable time : 60 seconds Maximum playback time : 4 minutes
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-LP1532.
Burst Shot	Approx. 10fps (number of possible shots fixed)
Languages	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
Color model	Orange / Black
Verified memory card	SanDisk SDHC 8GB Class4
Others	"*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."

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.))

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.