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## RICOH WG-20

### **Standard-class waterproof digital compact camera, perfect for casual outdoor shooting with a compact, lightweight body and underwater shooting capability**

RICOH IMAGING COMPANY, LTD. is pleased to announce the launch of the RICOH WG-20 digital compact camera. This new model features a compact, lightweight body for outstanding portability and a waterproof, crushproof and cold-resistant construction to assure exciting, trouble-free shooting in a variety of outdoor scenes.

This standard-class waterproof digital compact camera is designed so that anyone can capture outdoor activities more casually, effortlessly and without worries. Despite its compact, lightweight body, the WG-20 offers outstanding basic specifications that outperform ordinary digital cameras and smartphones under demanding outdoor conditions. It is waterproof to a depth of 10 meters; shock resistant against a fall from a height of 1.5 meters; and cold resistant against temperatures as low as -10°C. It also features a host of advanced creative functions, including the RICOH IMAGING-original Digital Microscope mode that magnifies the subject and captures a microscopic world often unnoticeable with the naked eye in eye-catching images. The WG-20 is fully equipped to accommodate a broad range of applications, from outdoor shooting to everyday snapshots and business use.

A range of optional camera-mounting accessories will be launched simultaneously with the WG-20, allowing the user to securely fix the camera on a bicycle or watercraft. Using the camera's creative shooting functions, such as interval shooting and HD movie recording, the user can capture unique images seen from a totally different angle or viewpoint.

#### Major Features

##### 1. Heavy-duty construction for underwater shooting to 10 meters deep, and up to two continuous hours

The WG-20's airtight body is not only waterproof to a depth of 10 meters and for up to two hours of continuous operation (equivalent to IPX8 or JIS Class 8), but also shock-resistant against a fall from a height of 1.5 meters,\* dustproof (equivalent to IPX6 or JIS Class 6),\*\* cold-resistant against temperatures as low as -10°C,\*\* and crushproof against weights up to 100kgf (kilogram force).\*\* Thanks to its dependable, heavy-duty construction, it performs superbly and dependably in harsh, demanding outdoor conditions.

\* Measured under RICOH IMAGING -original testing standards (from a height of 1.5 meters, onto a surface of 5cm-thick plywood), conforming to Method 516.5-Shock of the MIL-Standard 810F.

\*\* Measured under RICOH IMAGING -original testing standards.

## 2. Digital Microscope mode for microscopic observation

The WG-20 features the innovative Digital Microscope mode,\*\*\* which magnifies the subject on the LCD monitor for the observation and photography of a microscopic world unseen by the naked eye. Thanks to five LED Macro Lights positioned around the circumference of the lens barrel, the subject is illuminated more brightly and uniformly than in ambient light to facilitate macro shooting. In order to minimize camera shake and subject shake, its instant illumination enhance function allows for the use of a higher shutter speed by automatically raising the illumination level of the Macro Lights at the moment of shutter release. A macro stand is also included as a standard accessory to maintain a minimum focusing distance of one centimeter to the subject during extended observation and shooting.

*\*\*\* When the Digital Microscope mode is selected, the recorded size is fixed at 2.0 megapixels (at 16:9 proportions).*

## 3. High-quality images made possible by the latest super-resolution technology

In addition to super-high resolution assured by approximately 14.0 effective megapixels and a state-of-the-art imaging engine, the WG-20 also offers advanced image processing functions made possible by the latest super-resolution technology to deliver sharp, clear, high-resolution images. Because of this, the user can effortlessly produce sharp, high-resolution prints with well-depicted details, even when images are enlarged to poster size.

## 4. HD movie recording

The WG-20's HD movie recording function makes it easy to capture high-quality movie clips (1280 x 720 pixels, 16:9 proportions, 30 frames per second). It also offers a variety of movie editing functions, such as extracting a still image from movie data and inserting titles at the beginning and end of a movie clip. In addition, a micro-HDMI terminal (Type D) is provided on the camera body for simultaneous output of HD movie clips and sound to external audio-visual devices.

## 5. Large, 2.7-inch LCD monitor

The WG-20 comes equipped with a large, 2.7-inch color LCD monitor with horizontally extended 16:9 proportions and approximately 230,000 dots. The RICOH IMAGING-original AR (Anti-Reflection) coating minimizes annoying glare and reflections to assure a sharp, clear on-screen images even under the harsh sunshine often encountered in outdoor shooting.

## 6. 5X optical zoom lens with 28mm wide-angle coverage

Within its compact body, the WG-20 features a five-times optical zoom lens with a focal-length coverage from 5mm to 25mm (equivalent to approx. 28mm wide angle to approx. 140mm medium telephoto in the 35mm format). This versatile zoom lens comes in handy for a wide variety of scenes and subjects, from wide-angle photos of breathtaking scenery to family/group snapshots, and even dramatic telephoto images of distant subjects.

## 7. Triple anti-shake protection to compensate different types of shake

### (1) Pixel Track SR mechanism

When recording still images, this sophisticated shake-reduction mechanism effectively compensates for camera shake by digitally processing affected images.

### (2) Digital SR mode\*\*\*\*

When the camera detects low-lighting conditions in still-image shooting, it automatically raises the sensitivity as high as ISO 6400, making it possible to use a higher shutter speed to

effectively minimize the adverse effects of camera shake and subject shake under poor lighting conditions.

(3) Movie SR mode\*\*\*\*

During movie recording, this digital shake-reduction mode effectively compensates for the misalignment of images caused by camera shake through the use of exclusive software to produce beautiful, blur-free movie clips.

\*\*\*\* *When this mode is selected, the recorded size is fixed at 5.0 megapixels (2592 x 1944 pixels).*

\*\*\*\*\* *When this mode is selected, the angle of view becomes narrower than normal shooting.*

## 8. Other features

- High-speed Face Detection function, with Self-Portrait Assist mode
- O-CC1182 Protector Jacket (optional accessory) to protect the camera body from scratches and dirt
- O-ST1352 Float Strap (optional accessory) to prevent loss of the camera in the water
- Auto Picture mode to automatically select the most appropriate shooting mode from 16 different scene modes
- 12 digital filters for creative expression
- Digital Wide mode to compose an extra-wide-angle picture (equivalent to approx. 21mm wide angle in the 35mm format) from two separate images
- Compatibility with Eye-Fi wireless LAN SD memory cards

*Note: Designs and specifications are subject to change without notice.*