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WG-1000

PENTAX WG-1000:

Entry-class, waterproof digital compact camera, designed for casual underwater photography to a depth of 15 meters, for up to one hour of continuous operation

Here is the most important information in brief

- Reliable all-weather housing that is waterproof to a depth of 15 metres
- Back-illuminated CMOS image sensor with approx. 16.35 effective megapixels
- 4x optical zoom lens
- Built-in-flash
- Seven different shooting mode
- 20 colour modes available to create images according to your own ideas
- Full HD Movie recording
- Useful accessories included in the scope of delivery
- Can be sterilised with special solvents

Main featu

A solid, all-weather body
for protection against dust and water

A camera like the WG-1000 offers advantages that smartphones and many cameras do not - it can also be used in conditions where it gets really rough and wet. Many people know the situation when they have to concentrate fully on their sport, such as canoeing or climbing, but still want to capture these exciting moments in the picture. This is where the WG-1000 comes into its own.

The PENTAX WG-1000 has a reliable all-weather housing that is waterproof to a depth of 15 metres and can be operated continuously for up to one hour; it is dustproof against dirt and stains and shockproof* even against falls from a height of up to two metres. Thanks to this robust construction, the WG-1000 can be used for a wide range of activities, even in harsh, demanding conditions, and even for underwater shooting.

A special feature opens up further usage options. The WG-1000 can be sterilised with special solvents containing ethanol, sodium hypochlorite (approved as a food disinfectant) or chlorine dioxide. This means that it can also be used in medical facilities or on construction sites.

* Measured according to the original RICOH IMAGING test standards: Drop from a height of two metres onto a surface of 5 cm thick plywood.

Waterproof	Shockproof	Operation Temp	Dustproof
15m up to 1h	2m	0–40°C	JIS class 6

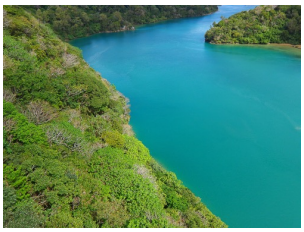
Sharp, clear images

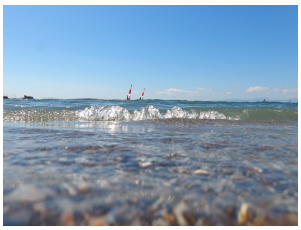
Thanks to its back-illuminated CMOS image sensor with approx. 16.35 effective megapixels, which is characterised by high sensitivity, low noise and a high image data readout speed, the WG0-1000 delivers sharp, clear and high-resolution images - up to a high sensitivity of ISO 3200.

If the high ISO is no longer sufficient, the anti-shake mode helps to effectively compensate for camera shake in photos

4x optical zoom lens with a wide-angle range of 27 mm to a telephoto range of 108 mm (equivalent to 35 mm format)

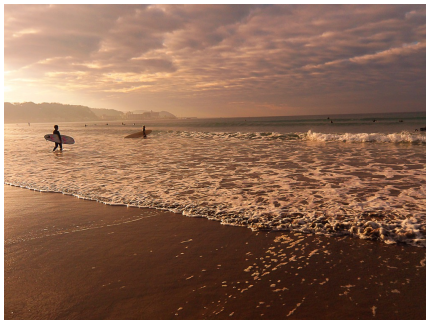
With a focal length range of 4.9 mm to 19.6 mm (equivalent to approx. 27 mm to 108 mm in 35 mm format), the WG-1000 has a 4x zoom lens that covers a wide range of applications. This is a real optical zoom, which images the entire range without loss. The WG-1000 also has a digital zoom function, which extends the zoom range by 24x for high magnification shots.





A choice of seven shooting modes

The WG-1000 offers a choice of seven different shooting modes to automatically select the best possible setting for many situations. In addition to a special underwater mode, which faithfully reproduces the colours of the underwater world by reducing the blue cast, the camera offers a scene mode in which the user can select from 18 different options. And for special requirements, the WG-1000 even offers a manual mode that allows the user to manually select the desired aperture, shutter speed and ISO sensitivity.



Creative options, e.g. Japan Style / Italian Style / French Style photographed by Kanako Sato

Extensive creative functions thanks to a large selection of colour filters

PENTAX digital SLR cameras have long offered the option of using various colour filters to add the finishing touches to the pictures taken in order to customise the visual expression. For the WG-1000 there are now also 20 colour modes available to create images according to your own ideas. In addition to the conventional black and white and sepia modes, further creative options are available, such as the "Japan style" - which enhances bluish colour tones; the "Italian style" - which enhances greenish colour tones or the "French style" - which enhances reddish colour tones. In addition to these very creative options, there are also presets such as "Negative", which creates an image impression similar to photos taken from negative film, or the "Sketch" mode, which adds a visual effect similar to that of a drawing. With this function, the user can easily add the desired finishing touches either before or after shooting.

Full HD Movie recording

The WG-1000 provides Full HD Movie recoding using the H-264 recording format to capture high-quality, extended movie clips (1920 x 1080 pixels, 16:9 proportions) at a frame rate of 30 frames per second.

Useful accessories

A protective cover O-CC180 is included in the scope of delivery. It protects the camera housing from scratches and ensures that the camera always looks fresh and young, even after tough adventures.

The strap with carabiner attachment (O-ST180) supplied as standard is also particularly practical for outdoor activities. This means that the camera can be kept safely within easy reach and does not have to be laboriously pulled out of the bag.

The WG-1000 has two eyelets for vertical suspension of the O-ST174 carrying strap, which is optionally available as a probe accessory

PACKAGING INFORMATION

Dimensions	137 x 130 x 115mm (Width x Depth x Height)
Weight	520 g
INCLUDED ACCESSORIES	
	Art. No. 35293 - Rechargeable Li-Ion Battery D-LI96 Art. No. 35290 - USB Cable I-USB 180 Art. No. 35291 - Carabiner Strap O-ST 180 Art. No. 35292 - Siklicone Case O-CC180 Power Adapter Power Plug
OPTIONAL ACCESSORIES	
	Art. No. 35293 - Rechargeable Li-Ion Battery D-LI96 Art. No. 30280 - Neck Strap O-ST 174 Art. No. 39457 - Pentax Sport Strap O-ST81 Art. No. 30986 - Power Plug
ARTICLE CODES	
	Art. No. 2154- PENTAX WG-1000 Gray Art. No. 2163 - PENTAX WG-1000 Olive
MARKET LAUNCH	June 2024

Specification

CAMERA TYPE	Zoom-compact digital-still camera
LENS	
Construction	PENTAX lens, 7 elements in 7 groups
Focal Length	4.9 - 19.6mm (Approx. 27 - 108mm in 35mm format equivalent)
Maximum Aperture	F3.0(W) - F6.6(T)
Zoom Ratio	Optical Zoom: 4x Digital Zoom: approx. 6x
Focal length (Macro)	4.9mm
Maximum Magnification	Approx. 0.087 x
IMAGE CAPTURE UNIT	
Image Sensor	1/2.3" CMOS Total: approx. 16.76 megapixels Effective: approx. 16.35 megapixels
Still image: File Format / Recorded Pixels	JPEG (conforms to Exif 2.3) (Not compatible with PRINT Image Matching III) <4:3> 16M(4608 x 3456), 10M(3648 x 2736), 5M(2592 x 1944), 3M(2048 x 1536), 2M(1600 x 1200), 1M(1280 x 960), VGA(640 x 480) <3:2> 14M (4608 x 3072) <16:9> 12M(4608 x 2592), 2M(1920 x 1080) • 2M and 1M are available only in the CALS mode. • In the CALS mode, the aspect ratio is fixed to 4:3. Quality Level ★★★, ★★, ★
Movie: File Format / Recorded Pixels	MOV（H.264） FHD (1920 x 1080 : approx. 30fps, HD（1280 x 720）: approx. 60/30fps DVD（640 x 480）: approx. 120/30fps,
Audio: File Format	48KHz, 16bit, monaural
Sensitivity (Stand. output)	AUTO, Manual (ISO 125 - 3200)
White Balance	AWB, Daylight, Cloudy, Fluorescent, Fluorescent CWF, Incadescent, Manual WB, Color Temp., Underwater
Motion Blur Reduction	Electronic SR for Still only
Noise reduction	Noise reduction processing is always on
FOCUS	
Focus type	TTL contrast detection auto focus system with AF Assist Beam 25-point Single AF / Multi AF
Focus Range (From lens face)	Standard: 0.6m - infinity / 1.97ft. - infinity (Wide) / 1m - infinity / 3.3ft. - infinity (Tele) Macro: 0.05 - infinity / 0.16ft. - infinity (Wide only)
Face Detection	Face Detection is available for up to 12 faces. Detects smiles and blinks.
EXPOSURE CONTROL	
Metering System	AIAE, Center, Spot
EV Compensation	± 3EV (1/3EV steps)
Shutter Speed	1/2000 - 4sec. (Manual 30sec.)
Capture modes	Auto Mode (Auto, Landscape, Portrait, Backlit Portrait, Night Portrait, Night Landscape, Macro), Program AE ,Manual Mode, Movie Mode, Scene Mode, Underwater Mode, CALS Mode
Scene Modes	Portrait, Landscape, Sport, Beach, Sunset, Fireworks, Night Landscape, Snow, Children, Panorama Mode, Glass, Anti-shake, Panning Shot, Night-Portrait, Party, Indoor, Leaf, Museum
BUILT-IN FLASH	
Modes	Force Off, Flash Auto, Fill Flash, Slow Sync., Slow Sync.+Red-Eye, Red-Eye Reduction
Flash Range	Wide: approx. 0.3 - 5.2m / 0.98 - 17 ft. (ISO Auto) Tele: approx. 1.0 - 2.4m / 3.28 - 7.87ft. (ISO Auto)

LCD MONITOR	
Display Type	TFT color 2.7" LCD, approx. 230K dots, HD-Coating (Cover only)
MEMORY	
Storage Media	Built-in Memory (approx. 29MB) SD/SDHC/SDXC Memory Card
FUNCTION	
Drive Modes	Single, Continuous Shot, Continuous Shot-High Speed（VGA）, Continuous Shot-Fast（4M), Time-Lapse 30sec, Time-Lapse 1min, Time-Lapse 5min, Time-Lapse 10min,
Self- timer count	2sec, 10sec, Self-Timer Smile *Self-timer is in dedicated mode
Start-up Time	Approx. 2.0 sec.
Release Time Lug	Approx. 0.06sec.
Continuous shooting	Approx. 1.42 frames/sec.
Max. frames at conti. Shooting	Approx. 6 frame（When set to 16M）
High speed continuous shooting	Approx. 30 fps, 4M(4:3): up to 50 frames, Approx. 60fps, VGA(4:3): up to 120 frames
Playback functions	One Shot, Index (9 thumb nails, 16 thumb nails), Enlargement (up to 8X, scroll available), Movie Playback,
Playback modes	Slideshow, HDR, Rotate, Red-eye Reduction, Resize, *Color（19types）, Trim
Digital filter	Playback only - Vivid, Japan Style, Italian Style, French Style, Punk, Black and White, Sepia, Partial Color-Red, Partial Color-Blue, Partial Color-Yellow, Partial Color-Green, Negative, Dreamy, Vignetting, Salon, Fish Eye, Reflection, 4Grids - Stylish
Languages	Traditional Chinese, Simplified Chinese, Japanese, Korean, English, French, Spanish, Portuguese, Italy, Germany, Russian, Swedish, Danish, Indonesian, Norwegian, Hungarian, Greek, Polish, Vietnamese, Thai, Dutch, Turkey, Czech, Croatian, Hindi, Arabic,
Date Imprint	Date Imprint Available (Date, Time, Date & time) (except Green)
OPERATING ENVIRONMENT	
Water proof / Dustproof	Equivalent to JIS Class 8 waterproof and JIS Class 6 dustproof capabilitie - Waterproof - Up to 15m up to 1 hour - Impact resistance from a height of 2m - Operating Temperature 0°C to 40°C
POWER SUPPLY	
Power Source	Rechargeable Battery D-LI96
Battery life	Still*1: approx. 300 shots Playback*2: approx. 150 min. *1 Recording capacity shows approximate number of shots recorded during CIPA-compliant testing. Actual performance may vary depending on operating conditions. *2 According to the result of RICOH in-house testing.
Charging	internal, (USB Type-C), approx. 150 min.
INTERFACES	
Connection Port	USB2.0 (Type C), HDMI output terminal (Type D)
DIMENSIONS AND WEIGHT	
Dimensions	Approx. 116 (W) x 68.5 (H) x 50.5 (D)mm /4.6 (W) x 2.7 (H) x 2.0 (D) inches (including lens depth)
Weight	Approx. 220g / 7.87 oz. (Included dedicated battery and SD memory card),Approx. 200g / 7.1 oz.(Body only)