



PENTAX WG-8:

A top-of-the-line digital compact camera, featuring outstanding waterproof performance with up to two hours of continuous underwater shooting; high-power, discharge-adjustable Ring Light; and webcam function

Here is the most important information in brief

- 1/2.3" Sensor with 20 MP for High-quality, high-resolution images
- Five-times optical zoom lens
- Heavy-duty construction for underwater shooting
- 4K-resolution movie recording for videos
- Extensive shooting and editing functions
- 18 Scene modes
- 12 Digital Filters
- Face recognition for 30 faces / 1x for pets
- 3.0-inch LCD monitor with wide viewing angle
- Built-in-flash
- Advanced GPS functions and built-in digital compass
- Powerful ring light with six LEDs
- Webcam function for live-streaming
- Compatible with wide-angle adapter



Main features of the PENTAX WG-8

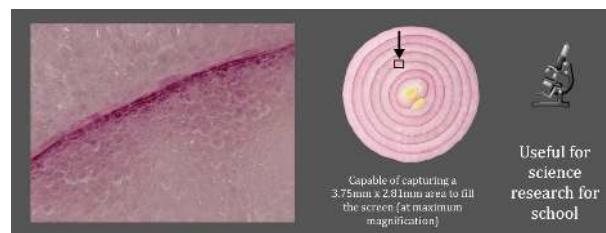
High-quality, high-resolution images

Combining a state-of-the-art back-illuminated CMOS image sensor (which provides excellent high-sensitivity, low-noise characteristics, and assures high-speed read-out of image data signals) with a high-performance imaging engine, the WG-8 delivers a top sensitivity of ISO 6400 and super-high-resolution images with approximately 20 effective megapixels. It also provides advanced image processing functions, made possible by the super-resolution technology, to assure sharp, clear, high-resolution images. It even provides such innovative functions as a Hand-held Night Snap mode, which automatically captures several images of the same nighttime scene and produces a single, blur-free composite image from them.



Five-times optical zoom lens with 28mm wide-angle coverage

Alongside the sensor, the lens is an elementary component of a camera. And so the fivefold zoom lens of the PENTAX WG-8 offers an optical zoom range of 5 mm to 25 mm with a sophisticated design consisting of 11 elements (including 5 aspherical) in 9 groups. The zoom range, which corresponds to approximately 28 mm to 140 mm in 35 mm format, allows users a wide range of applications, from exciting close-ups from a distance of just one centimetre, to expansive landscape shots, to exciting portraits or nature shots in the telephoto range.



Robust construction for underwater photography up to a depth of 20 metres, for up to two hours of continuous operation

Today, more than ever before, photos are an important documentation of family, friends, holidays and all the many adventures of everyday life. There are plenty of situations that start on the water slide in the amusement park and don't end with climbing or canoeing adventures, kitesurfing or diving. But the more exciting the adventure, the greater the fear of taking the expensive camera or smartphone out of the safe bag, the greater the fear of minor or major damage. And the more exciting the adventure, the greater the risk of damage.

Waterproof
20m

Shockproof
2.1m

Crushproof
100kgf

Freezeproof
-10°C

Dustproof
IP6X

Extensive shooting and editing functions

The PENTAX WG-8 is in no way inferior to a full-blown camera in terms of many of its features. For example, the camera offers various metering methods for autofocus and exposure. Photographers can choose from a wide range of exposure options, such as 18 scene programmes to select the most suitable fine-tuning for the subject, including the new depth-of-field composite mode, or give free rein to their creativity with 12 digital filters.

And so that you don't have to spend ages searching through the menu and settings when it comes down to the second, the WG-8 offers two memory locations that can be called up via the function dial



3.0-inch LCD monitor with wide viewing angle

The WG-8 is equipped with a large, high-resolution 3.0-inch LCD monitor (3:2 ratio and approx. 1,040,000 dots). The AR (anti-reflection) coating applied to the monitor's protective cover minimises annoying glare and reflections, thus ensuring a sharp, clear image on the screen, even in strong sunlight, as is often the case when shooting outdoors. It also features the Outdoor View setting, which allows the user to adjust the brightness of the monitor to the changing light conditions in order to optimise the visibility of the image on the screen.

Powerful ring light with six LEDs

The WG-8 has six LEDs mounted around the lens to minimise camera and subject blur in macro and close-up shots. The six LEDs can be set individually. This unit also offers selective lighting, where the user can activate only the horizontally or vertically aligned lights to illuminate the subject more three-dimensionally and emphasise its contours.



Webcam function for live-streaming of high-quality, high-resolution images

Simply by switching the WG-8 to the UVC (USB Video Class) mode and connecting it to a computer with an USB cable (included as a standard accessory), it can be used as a web camera* for real-time streaming of Full HD-resolution video images at 30 frames per second. When combined with the camera's macro shooting capability and built-in Ring Light unit, the user can deliver more detailed, creative images than those captured by the computer's built-in camera during online business meetings or private online communications.



Advanced GPS functions and built-in digital compass

The WG-8's built-in GPS module automatically records position data and travel log data onto captured images, and adjusts the built-in clock to local time. This module can be activated with a single action, and can receive signals from GLONASS (Global Navigation Satellite System), as well as U.S. GPS satellites. The GPS Lock function lets the user save GPS data onto captured images by using previously acquired position data – highly convenient for shootings inside buildings. GPS data, directional data acquired by the digital compass and UTC (Coordinated Universal Time) can also be imprinted on the lower right corner of an image.

4K-resolution movie recording for extended shooting of high-quality movies

In addition to the many photos we take and share with our friends and family, videos offer a special opportunity to relive our experiences and adventures. The WG-8 makes it possible to record videos in 4K resolution in H.264 format to capture high-quality film clips (3840 x 2160 pixels, 30 frames per second).

Accessories for even more fun with photography

Remote Control O-RC1

For blur-free special applications such as this, but also for normal souvenir photos, the camera even offers the option of triggering the camera using the optional remote control. The camera has two receivers for this purpose, one on the front and one on the back.

Wide Angle Adapter DW-5

Particularly worth mentioning is the DW-5 wide-angle converter lens for shots with 0.8x magnification. This extends the angle of view in the wide-angle range to approx. 20 mm (in 35 mm format). This makes it possible to take particularly exciting pictures in small spaces, such as on a sailing boat or a canoe.



PACKAGING INFORMATION

Dimensions	137 x 128 x 83 mm (Width x Depth x Height)
Weight	561 g
INCLUDED ACCESSORIES	
Art. No. 7838 - Rechargeable Li-Ion Battery DB-110 Art. No. 30275 - USB Cable I-USB173 Art. No. 39857 - Strap O-ST104 Art. No. 30276 - Macro Stand O-MS3 USB Power Adapter AC-U2 Power Plug	
OPTIONAL ACCESSORIES	
Art. No. 37838 - Rechargeable Li-Ion Battery DB-110 Art. No. 39892 - Remote Control O-RC1 Art. No. 171930 - Wide Angle Adapter DW-5	
ARTICLE CODES	
Art. No. 1491 - PENTAX WG-8 BLACK Art. No. 1501 - PENTAX WG-8 GREEN	
MARKET LAUNCH	June 2024

Specification

CAMERA TYPE	Zoom-compact digital-still camera
LENS	
Construction	PENTAX lens, 11 elements in 9 groups, (5 aspherical elements)
Focal Length	5 - 25 mm, Approx. 28 - 140mm (in 35mm format equivalent)
Maximum Aperture	F3.5(W) - F5.5(T)
Zoom Ratio	Optical Zoom: 5x Digital Zoom: approx. 8.1X Intelligent Zoom: approx. 7X at 10M, approx. 40.5X at 640 (including optical zoom)
Focal length (Macro)	9.26mm
Maximum Magnification	Approx. 0.4 x
Filter Diameter	37 mm
IMAGE CAPTURE UNIT	
Image Sensor	1/2.3" CMOS / Total: approx. 20 megapixels
Still image: File Format / Recorded Pixels	JPEG (conforms to Exif 2.3), conforms to DCF2.0, PRINT Image Matching III <4:3> 20M (5184 x 3888), 10M (3648 x 2736), 5M (2592 x 1944), 3M (2048 x 1536), VGA (640 x 480) <3:2> 18M (5184 x 3456), 9M (3648 x 2432), 4M (2592 x 1728), 3M (2048 x 1368), VGA (640 x 424) <1:1> 15M (3888 x 3888), 7M (2736 x 2736), 4M (1920 x 1920), 2M (1440 x 1440), VGA (480 x 480) • 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	MPEG-4 AVC/H.264 4K (3840 x 2160) : approx. 30fps, 1920 (1920 x 1080): approx. 30fps, 1280 (1280 x 720) : approx. 60/30fps
Audio: File Format	[Movie/Underwater Movie] 32KHz, 16bit, stereops
Sensitivity (Stand. output)	AUTO, Manual (ISO 125 - 64000)
White Balance	Auto, Daylight, Shade, Cloudy, Tungsten light, Fluorescent light(D:Daylight Color, N:Daylight White, W:White Light, L:Warm White), Ring light, Manual
Motion Blur Reduction	Still: Pixel Track SR Hi-sensitivity anti-shake mode (Digital SR: ISO 125 - 6400) Movie: Movie SR, Movie SR+
Noise reduction	Automatically applied when the shutter speed is slower than 0.25 sec.
FOCUS	
Focus type	TTL contrast detection auto focus system with AF Assist Beam 9-point AF, Spot AF, Auto tracking AF
Focus Range (From lens face)	Standard: 0.5m - infinity / 1.64ft. - infinity (entire zoom range) Macro: 0.1 - 0.6m / 0.33 - 1.97ft. (entire zoom range) 1cm Macro: 0.01 - 0.3m / 0.03 - 0.98ft. (middle zoom position) Infinity-landscape, Pan Focus, Manual Focus: available
Face Detection	AF&AE is available for all modes up to 30 faces (1 pet) Smile Capture, Self-portrait Assist, Self-portrait Assist + Smile Capture, Blink Detection
EXPOSURE CONTROL	
Metering System	Multi-segment metering, Center-weighted metering, Spot metering
EV Compensation	± 2EV (1/3EV steps)
Shutter Speed	1/4000 - 1/4sec. (Mechanical and electronic shutter), 4sec at most. (Night Scene mode setting)
Capture modes	Auto Mode, Movie Mode Scene Mode (Auto Picture, Program, HDR, Handheld Night Snap, Movie, High Speed Movie, Digital Microscope, Landscape, Flower, Portrait, Underwater, Underwater Movie, Interval Shot, Interval Movie, Surf & Snow, Kids, Pet, Sport, Night Scene, Fireworks, Digital SR, Report, Green, Depth of field composition)
Scene Modes	Landscape, Portrait, Night Scene, Night Scene Portrait, Standard, Flower, Sport, Candlelight, Blue Sky, Sunset, Text, Group Photo, Pet, Portrait x Blue Sky, Portrait x Sunset, Portrait x Backlight
Dynamic range	available (Shadow/ Highlight adjustment)
Image Tone	Bright, Natural, Vibrant, Slide Film, Monochrome
BUILT-IN FLASH	
Modes	Force Off, Flash Auto, Fill Flash, Slow Sync., Slow Sync.+Red-Eye, Red-Eye Reduction
Flash Range	Wide: approx. 0.2 - 5.5m / 0.66 - 18 ft. (ISO Auto) Tele: approx. 0.2 - 3.5m / 0.66 - 11 ft. (ISO Auto)

LCD MONITOR	
Display Type	TFT color 3.0" LCD, approx. 1040K dots, AR Coating (Cover only)
Adjustments	Brightness, Outdoor View Setting: ±2 Steps
MEMORY	
Storage Media	Built-in Memory (approx. 27MB) SD/SDHC/SDXC Memory Card FlashAir™ Card
Verified memory card	Sandisk, Panasonic, Toshiba
FUNCTION	
Drive Modes	One shot, Self-timer, Continuous Shooting, Burst Shooting, M Continuous, S Continuous, Remote Control, Auto Bracketing
Self-timer count	10 sec, 2 sec, Remote Control (immediately, 3 sec)
Start-up Time	Approx. 1.0 sec.
Release Time Lag	Approx. 0.003 sec.
Continuous shooting	Approx. 3 frames/sec.
Max. frames at conti. Shooting	30 (Subject dependent)
High speed continuous shooting	Approx. 10 fps, 5M(4:3): up to 36 frames
Playback functions	One Shot, Index (20 thumb nails, 81 thumb nails), Enlargement (up to 10X, scroll available), Movie Playback, Histogram, Folder display, Delete, Select&Delete, Delete All, Calendar
Playback modes	Slideshow, Image Rotation, Small Face Filter, Ink Rubbing Filter, Digital Filter, HDR Filter, Movie Edit, Red-eye Edit, Resize, Cropping, Image Copy, Protect, Start-up Screen, Recover File, Auto Image Rotation
Digital filter	Playback only - B&W / Sepia, Toy Camera, Retro, Color, Extract Color, Color Emphasis, High Contrast, Starburst, Soft, Fish-eye, Brightness, Miniature Filter
Movie edit functions	Save as still image, Divide Movies, Adding title picture
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)
GPS	GPS, GLONASS GPS display mode: LAT/LON, UTM, MGRS GPS log, GPS lock, GPS time adjustment, GPS data imprint, UTC data imprint
Electronic Compass	Compass heading : Cardinal, Degrees, Cardinal/Degrees Declination, Compass data imprint
Web Camera	USB Video Class 1.1
Others	- Ring light - USER Setting (U1/U2) - ADJ Setting - Green Button Setting - Today's Shots Counter - Electronic Leveler - Copyright Information - Eco Mode - Optional screwing in DW-5 wide-angle attachment. It is simply screwed in front of the lens and shortens the focal length by a factor of 0.8x to a focal length of 22 mm (35 mm film equivalent). It complies with JIS protection class 7
OPERATING ENVIRONMENT	
Water proof / Dustproof	Equivalent to JIS Class 8 waterproof and JIS Class 6 dustproof capabilities - Waterproof - Up to 20m(65.6ft.) for 2hours - Shock proof - Up to 2.1m (6.8ft.) - Operating Temperature -10°C(14°F) to 40°C(104°F)
POWER SUPPLY	
Power Source	Rechargeable Battery DB-110 AC Adapter Kit K-AC166(Optional)
Battery life	Still*1: approx. 340 shots Playback*2: approx. 260 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. 180 min.
INTERFACES	
Connection Port	USB3.0 (Type C), HDMI output terminal (Type D)
DIMENSIONS AND WEIGHT	
Dimensions	Approx. 118.2 (W) x 65.5 (H) x 33.1 (D)mm /4.7 (W) x 2.6 (H) x 1.3 (D) inches (including lens depth)
Weight	Approx. 242g / 8.5 oz. (Included dedicated battery and SD memory card),Approx. 215g / 7.6 oz.(Body only)