

Pentax WG-8 Specification

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Specifications

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 Colour, 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, Fisheye, 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 -Todays 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.)
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- 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)