

THE ADVENTURE-PROOF CAMERA



ADVANTAGES

The complete Outdoor camera

Resistant to water, dust, sand, crash, cold, pressure

- ◆ **Tough construction** for shooting in demanding outdoor conditions
- ◆ Reliable **waterproof** construction to assure worry-free shooting at a depth of **14m**
- ◆ 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**. Thanks to these outstanding features, you can bring it everywhere or let it in anybody's hands !

High Quality Photo & Video

16 MP Back-illuminated CMOS sensor and Full HD Video

- ◆ Highest sensor resolution of its category **16 MP** to offer extremely detailed pictures
- ◆ **Back-illuminated CMOS sensor** technology to capture light efficiently. This helps increase the sensitivity as well as optimize noise management
- ◆ Sensor-shift **Shake Reduction**
- ◆ **Full HD video-recording** (H.264) for high-quality movie clips and **HDMI terminal**

Versatile zoom lens

25mm Wide-angle and 4X Optical Zoom lens

Equivalent 35mm : 25 - 100mm, large aperture F.2 (W)

- ◆ **Wide-angle 4X** zoom to accommodate a wide range of subjects and scenes from landscapes to fast-action sports events.
- ◆ **Macro shooting** down to just 1 cm from the subject to get spectacular images of flower or insect
- ◆ **6 LED** placed around the lens to avoid shadows on macro photos

Your best travel partner

Innovative new features for trekking and nature observation

- ◆ **Sophisticated GPS function** records your position data during travelling, in order to show your friends and family where pictures were taken, on such websites as Google Earth™ or Flickr®.
- ◆ **Electronic compass**
- ◆ **Barometer** (information on the front display)
- ◆ **Qi (wireless-recharge)** compatibility



WG-3 GPS Green 12661
EAN code 0027075227910

WG-3 GPS Violet 12672
EAN code 0027075228023

Dimensions approx. 125(W) x 64.5(H) x 32(D) cm
Weight (body only) 219 g

OPTIONAL ACCESSORIES



Rechargeable battery Battery Charger AC Adapter
Remote Control Floating Strap Neoprene Case
Bike Mount Rollerblade Mount

	Code Art.
Rechargeable battery Li-Ion D-LI92	39800
Battery charger Kit K-BC92E	39804
AC adapter Kit K-AC117E	38971
Pentax AV Cable I-AVC7	39552
USB Cable I-USB7	39551
Black neoprene Softcase	xxxxxx
Waterproof remote Control O-RC1	39892
Floating Strap Red O-ST1352	38854
Macro Stand O-MS2	xxxxxx
Bike mount	50270
Chest (rollerblading) mount	50272

SUPPLIED ACCESSORIES



Macro Stand Carabiner Strap

- USB Cable I-USB7
- Rechargeable battery Li-Ion D-LI92
- Power Adapter D-PA135
- AC Plug D-PL135E
- Carabiner Strap O-ST134
- Macro Stand O-MS2
- Software CD-ROM S-SW135

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CCD SENSOR

Number of pixels	Approx. 16 megapixels
Total pixels	Approx. 16.79 megapixels
Sensor size	1/2.3" CMOS
Image size*	16M(4608x3456), 12M(1:1)(3456x3456), 12M(16:9)(4608x2592), 7M(3072x2304), 5M(16:9)(3072x1728), 5M(2592x1944), 4M(16:9)(2592x1464), 3M(2048x1536), 2M(16:9)(1920x1080), 1024(1024x768), 640(640 x 480) (Unit: pixels)
Sensitivity	Auto, Manual (ISO 125 - 6400)
Auto ISO range**	ISO 125-200, ISO 125-400, ISO 125-800, ISO 125-1600, ISO 125-3200, ISO 125-6400
Shake Reduction	Dual (SR & Pixel Track SR), High-sensitivity anti-shake mode (Digital SR)

LENS

Focal length	4.5 - 18mm, approx. 25 - 100mm in 35mm
Aperture	F2.0(W) - F4.9(T) [smallest aperture F11.3(W)-F18.5(T)]
Construction	9 elements in 7 groups(4 aspherical elements)
Optical zoom	4x
Digital zoom****	Approx. 7.2x
Intelligent zoom	approx. 6X at 7M and 28.8X at 640 (including optical zoom)

LCD SCREEN

Type	3.0" wide TFT color LCD, Wide viewing 170° angle degree, approx. 460K dots, AR Coating (LCD Cover only) with protection acrylic cover
LCD frame rate	approx. 60

FILE FORMATS

Photo format	JPEG (Exif 2.3), DCF 2.0, DPOF, PRINT Image Matching III
Quality level	★★★ Best, ★★ Better, ★ Good
Video format	MPEG-4 AVC/H.264
Audio	Movie/Underwater, Movie/Time-Lapse, Movie/1cm-Macro Movie: 32KHz, 16bit, stereo High Speed Movie: 8KHz, 16bit, stereo

MEMORY

External memory	Compatible SD, SDHC, SDXC and eye-Fi Memory cards
Internal memory	approx. 70 MB

FOCUSING

Autofocus	TTL Contrast detection auto focus system
Focus options	Infinity-landscape, Pan Focus, Manual Focus
AF points	9-point AF, Spot AF, Auto tracking AF (anticip. mov. subject)
Standard	0.4m - infinity (whole zoom area),
Macro	0.1m - 0.5m (whole zoom area),
1cm Macro	0.01m - 0.3m (mid-zoom to telephoto)
Manual focus range	0.01m - infinity (Depends on the zooming steps)
AF assist lamp	available

EXPOSURE CONTROL

TTL Metering modes	Multi-segment metering, Center-weighted metering, Spot AE metering
Shutter speeds	1/4000 - 1/4sec (Mechanical and electronic shutter) 4sec at most (Night Scene mode setting)
Scene modes	Auto Picture, Program, HDR, Handheld Night Snap, Movie, Underwater, Underwater Movie, Digital Microscope, Landscape, Flower, Portrait, Interval Shot, Interval Movie, High Speed Movie, Time-Lapse Movie, 1cm-Macro Movie, Digital SR, Surf & Snow, Kids, Pet, Sport, Night Scene, Night Scene Portrait, Fireworks, Food, Digital Wide, Digital Panorama, Report, Green
Exposure compensa°	± 2EV (1/3EV steps)

FLASH

Flash modes	Flash-on, Flash-off modes
Other	"Red-eye" compensation function with pre-discharge
Flash range	Wide: approx. 0.2 - 10.4m (ISO Auto) Tele: approx. 0.2 - 4.2m (ISO Auto)

* In Digital Microscope mode, recorded pixels is fixed to 2M(1920x1080).

* In Digital Wide mode, recorded pixels is fixed to 5M(2592x1944). (After Merge) Or fixed at 3M(2048x1536) in single frame. (Before Merge.)

* In Burst Shooting mode, recorded pixels is fixed to 5M(2592x1944) or 4M(2592x1464) per frame.

* In Digital Panorama mode, recorded pixels is fixed to 3M(2048x1536) per frame.

* In Report mode, recorded pixels is fixed to 1280x960.

* In Original Frame mode, recorded pixels is fixed to 5M(2592x1944) or 4M(2592x1464).

** Fixed at ISO 125-1600 in Green mode.

** Fixed at ISO 125-200, 125-400, 125-400, 125-1600 in Handheld Night Snap mode.

** Fixed at ISO 125-6400 in Report mode.

TECHNICAL SPECIFICATIONS

VIDEO

Movie	Movie shake reduction Mode (Movie SR)
Duration	Depends on memory card capacity
Resolution*	Full HD 1920 (1920 x 1080), approx. 30fps, HD 1280 (1280x720), approx. 60/30fps, Save as still image, Divide movies, Adding title picture.
Video editing	

POWER SUPPLY

Battery	Rechargeable D-LI92 Lithium-ion battery
Capacity	Approx. 240 shots** and 200 min** in playback mode Approx. 65min in movie mode
Other sources	Optional AC adapter available

INTERFACES

Interfaces	USB 2.0(Hi-Speed): USB/AV terminal, HDMI terminal (Type D) (Micro port)
Video output	NTSC/PAL

RECORDING PARAMETERS

Drive modes	One shot, Self-timer (10 sec, 2 sec, Remote Control (immediately, 3 sec)), Continuous Shooting, Burst Shooting, Remote Control (2 receivers in front and back of the camera), Auto Bracketing
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White balance	Auto, Daylight, Shade, Tungsten light, Fluorescent light (D:Daylight Color, N:Daylight White, W:White Light), Manual Shadow/ Highlight adjustment
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Dynamic Range

OTHER FEATURES

Languages	English, French, German, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian
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Digital filters	B&W/Sepia, Toy Camera, Retro, Color, Extract Color, Color Emphasis, High Contrast, Starburst, Soft, Fish-eye, Brightness, Miniature
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Auto pict.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
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Others	Noise reduction auto. applied when shutter speed is slower than 0.25 sec, Face detection AF&AE available for all modes up to 32 faces, Smile Capture, Self-portrait Assist, Self-portrait Assist + Smile Capture, Blink Detection, detects up to 1 pet's face (auto), Date Imprint Available*** (Date, Date & time, Time), World Time, 6 macro lights, changing folder name, electronic level
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Image Tone	Bright, Natural, Monochrome, Text size (Stdd, Large)
Playback modes	Slideshow, Image Rotation, Small Face Filter, Ink Rubbing Filter, Collage, Digital Filter, HDR Filter, Original Frame, Movie Edit, Red-eye Edit, Resize, Cropping, Image Copy, Protect, DPOF, Start-up Screen

Playback functions	One Shot, Index (6 thumbnails, 12 thumbnails), Enlargement (up to 10x, scroll available), Movie Playback, Histogram, Folder display, Select&Delete, Calendar
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Waterproof/Dustproof	Equ. to JIS Class 8 waterproof **** and JIS Class 6 dustproof capabilities****
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Start-up time	approx. 1.8sec
Release time lag	approx. 0.016sec

DIMENSIONS AND WEIGHT

Dimensions	approx 125(W) x 64.5(H) x 32(D) mm
Weight	219g (unloaded), 239g (with battery & SD card)

SYSTEM REQUIREMENTS

Operating systems	PC: Windows XP (SP3), Vista™, 7 and 8 Mac: OS X 10.4 or above
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SOFTWARE	PC: MediaImpression 3.6.2 LE /Mac: MediaImpression 2.2 LE
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* Recorded pixels is fixed to 1280(1280x720), and frame rate is fixed to 120fps for shooting, 30fps for playback in High Speed Movie mode.

* Recorded pixels is fixed to 640(640x360), and frame rate is fixed to 15fps for shooting, 240fps for playback in Time-Lapse Movie mode.

* Still Picture Saving during Movie Recording (up to three still pictures per each continuous movie recording, with the focus fixed at the start of recording and the number of recorded pixels fixed to 12M(16:9). The angle of view may change, depending on the number of recorded pixels for movies. The image may be distorted, depending on recording conditions.)

** Recording capacity shows approximate number of shots recorded during CIPA-compliant testing. Actual performance may vary depending on operating conditions.

** According to the result of PENTAX RICOH IMAGING in-house testing.

*** Except in Green mode

**** Waterproof (Up to 14m(45ft) for 2hours), Shock proof (Up to 2.0m (6.5ft))

**** Operating Temperature -10° to 40°

***** The following functions and features are only for the PENTAX WG-3 GPS : GPS function, electronic Compass function, Sub-display, Qi wireless charging