

# PENTAX

## Optio WG-1



### MY OPTIO WG-1

### MY UNDESTRUCTIBLE FRIEND

#### WHAT MAKES IT UNIQUE

- Ultra-resistant crossover waterproof camera
- Rugged aluminium body
- Complete photo and video functions
- Supplied with carabiner strap and 1cm macro stand

#### • ULTRA-RESISTANT:

- High-quality aluminium-alloy structure
- **Waterproof up to 10m**
- **Shockproof up to 1.5m**
- **Coldproof up to -10°C**
- **Crashproof up to 100kg**
- **Dustproof (JIS Class 6)**

#### • ADVANCED PHOTO FEATURES:

- **Wide-angle 5x optical zoom** (equ. to **28-140mm** in 35mm)
- **Enhanced 1 cm macro mode:**
  - 5 macro LED light and dedicated 1cm macro stand
  - Digital Microscope mode
- Sensitivity: ISO **80 to 6400**

#### • VIDEO FUNCTION:

- Movie recording in **HD 720p format**, at 30 fps
- Micro-HDMI output

#### • RUGGED BODY:

- **2.7" 16:9 wide LCD** monitor, 230 000 dots
- Available in **2 colours**: black and purple



Colour	Art. n°	EAN code
Black	16927	0027075188143
Purple	16942	0027075188303

#### SUPPLIED ACCESSORIES

	Art No.
AV cable I-AVC7	39552
USB cable I-USB7	39551
AC cable D-CO24E	39256
Li-ion battery D-LI92	39800
Battery charger D-BC92E	39801
Carabiner strap O-ST118	39003
Strap O-ST104	39857
Macro stand O-MS1	39004
Software S-SW117	39029



Macro stand



Carabiner strap

#### OPTIONAL ACCESSORIES

	Art No.
Black neoprene pouch	50242
Camrig camera housing for kitesurfs	50223
Weatherproof remote control O-RC1	39892
Sport strap O-ST81	39457
Floating strap	50195
AC adapter kit K-AC117E	38971
Battery charger kit K-BC92E	39804



Neoprene case



Camrig camera holder



Weatherproof remote control



Floating strap

## TECHNICAL SPECIFICATIONS

# PENTAX

## Optio WG-1

WWW.PENTAX.CO.UK/PHOTO  
HOTLINE: 0870 7368 299

### CCD SENSOR

<b>Number of pixels</b>	Approx. 14 megapixels - effective
<b>Sensor size</b>	1/2.3" CCD
<b>Colour depth</b>	12 bits x 3 colours
<b>Image size</b>	14M (4228x3216), 10M (1:1) (3216x3216), 10M (16:9) (4224x2376), 7M (3072x2304), 5M (16:9) (3072x1728), 5M (2592x1944), 4M (16:9) (2592x1464), 3M (2048x1536), 2M (16:9) (1920x1080), 1024 (1024x768), 640 (640x480 pixels)
<b>Sensitivity range</b>	3 Quality levels of JPEG (good, better, best) Auto, Fixed (ISO 80-6400)

### LENS

<b>Focal length</b>	PENTAX 5-25mm, equ. to 28-140mm in 35mm
<b>Aperture</b>	f/3.5 - 5.5
<b>Construction</b>	11 elements in 9 groups (5 aspherical elements)
<b>Optical zoom</b>	5x
<b>Digital zoom</b>	Approx. 6.7x
<b>Intelligent zoom</b>	Approx. 7x at 7M, approx. 33.5x at 640 (including optical zoom)

### LCD SCREEN

<b>Type</b>	2.7" (6.86cm) wide colour LCD, approx. 230k dots, extra wide angle viewing, with AR coating
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### FILE FORMATS

<b>Photo format</b>	JPEG (Exif 2.3), DCF 2.0, DPOF, PRINT Image Matching III
<b>Video format</b>	AVI (Motion JPEG)
<b>Sound format</b>	WAV (PCM), mono

### MEMORY

<b>External memory</b>	Compatible with SD, SDHC, SDXC and Eye-Fi* cards
<b>Internal memory</b>	approx. 97.0 MB

### FOCUSING

<b>Autofocus</b>	TTL Contrast detection Autofocus system
<b>Focus options</b>	Manual focus, Infinity-landscape, Pan focus
<b>AF points</b>	Multi-AF 9 points zone, Spot AF, Auto-tracking AF (anticipating moving subject)
<b>Normal</b>	0.5m - infinity (whole zoom area)
<b>Macro</b>	0.1m - 0.6m (whole zoom area)
<b>1cm Macro</b>	0.01m - 0.30m (middle zoom position) Special Macrolight (5 LED at front) AF assist lamp

### EXPOSURE CONTROL

<b>TTL Metering modes</b>	Multi-segment, Centre-weighted or Spot metering
<b>System</b>	Program controlled electronic auto exposure with electronic shutter with CCD
<b>Shutter speeds</b>	1/1500 - 1/4 sec. 4 sec max. (Night Scene mode)
<b>Sensitivity range</b>	Auto, Fixed (ISO 80-6400)
<b>Scene modes</b>	Auto Picture, Program, Night Scene, Movie, Underwater, Underwater Movie, Digital Microscope, Landscape, Flower, Portrait, Digital Wide, Digital Shake Reduction, Surf&Snow, Kids, Pet, Sport, Fireworks, Candlelight, Night Scene Portrait, Text, Food, Digital Panorama, Frame Composite, Report, Green
<b>Exposure compensation</b>	± 2EV (1/3EV steps)

\* 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 in-house testing.

### FLASH

<b>Built-in flash</b>	Integrated auto flash control
<b>System</b>	Automatic activation in low light conditions
<b>Flash modes</b>	Flash-on and Flash-off modes. Soft flash
<b>Other</b>	"Red-eye" reduction function
<b>Flash range</b>	Wide: approx. 0.2 - 3.9 m (ISO Auto) Tele: approx. 0.2 - 2.5 m (ISO Auto)

### VIDEO

<b>Movie</b>	"Shake reduction" - stabilized video with sound
<b>Duration</b>	Depends on memory card capacity
<b>Resolution</b>	HDTV (1280x720) at 30/15fps, VGA (640x480) at 30/15fps ; QVGA (320x240) at 30/15fps
<b>Video Editing</b>	Yes

### POWER SUPPLY

<b>Battery</b>	Rechargeable D-LI92 Lithium-ion battery
<b>Capacity</b>	Approx. 260 shots* and 280 min** in play mode
<b>Other sources</b>	Optional AC adapter kit

### INTERFACES

<b>Video output</b>	Micro-HDMI, PC/AV terminal (PAL/NTSC, mono)
<b>USB</b>	USB 2.0 (Hi-Speed)

### RECORDING PARAMETERS

<b>Drive modes</b>	One shot, Self-timer (2 or 10 sec), Continuous shooting (2.27 fps), Burst shooting, IR Remote Control, Interval shooting, Auto Bracket
<b>White balance</b>	Auto, Daylight, Shade, Tungsten, Fluorescent, Manual setting
<b>DRE</b>	Shadows and highlights adjustments

### OTHER FEATURES

<b>World time</b>	75 cities, 28 time zones
<b>Languages</b>	English, French, German, Spanish, Portuguese, Italian, Dutch, Japanese, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Thai, Korean, Simplified Chinese, Traditional Chinese
<b>Digital filters</b>	B&W, Sepia, Toy camera, Retro, Colour, Extract colour, Colour emphasis, High Contrast, Starburst, Soft, Fish-eye, Brightness, Miniature
<b>Image Tone</b>	Bright, Natural, Monochrome
<b>Others</b>	Pixel Track SR, Noise Reduction if shutter speed exceeds 0.25 sec., Face recognition (detects up to 32 faces), Smile capture (smile detection and auto-picture), Self-portrait Assist and Blink detection modes (eyes shut), Pet detection (up to 3 faces), Slideshow, Image Rotation, Small Face Filter, Ink Rubbing Filter, Collage, Digital Filters, Original Frame, Frame Composite, Movie Edit, Red-eye Compensation, Resize, Cropping, Image/Sound Copy, Voice Memo, Protect, DPOF, Start-up screen, Date printing, Face close-up playback, Eye-Fi compatible

### DIMENSIONS AND WEIGHT

<b>Dimensions</b>	115.5 × 58.5 × 28.5 mm (including lens depth)
<b>Weight</b>	143 g unloaded, 163 g loaded and ready
<b>JIS Class</b>	Equivalent to JIS Class 8 waterproof and JIS Class 6 dustproof capabilities

### SYSTEM REQUIREMENTS

<b>Operating systems</b>	PC: Windows XP SP3, Vista™ and 7 Mac: OS X 10.3.9 or above
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### SOFTWARE

	PC : Arcsoft Media Impression 3.0 for PENTAX Mac: Arcsoft Media Impression 2.1 for PENTAX
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