

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

CCD SENSOR

Number of pixels	Approx. 14 megapixels - effective
Sensor size	1/2.3" CCD
Colour depth	12 bits x 3 colours
Image size	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)
Sensitivity range	3 Quality levels of JPEG (good, better, best) Auto, Fixed (ISO 80-6400)

LENS

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

LCD SCREEN

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

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

MEMORY

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

FOCUSING

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

EXPOSURE CONTROL

TTL Metering modes	Multi-segment, Centre-weighted or Spot metering
System	Program controlled electronic auto exposure with electronic shutter with CCD
Shutter speeds	1/1500 - 1/4 sec. 4 sec max. (Night Scene mode)
Sensitivity range	Auto, Fixed (ISO 80-6400)
Scene modes	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
Exposure compensation	± 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

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

VIDEO

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

POWER SUPPLY

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

INTERFACES

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

RECORDING PARAMETERS

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

OTHER FEATURES

World time	75 cities, 28 time zones
Languages	English, French, German, Spanish, Portuguese, Italian, Dutch, Japanese, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Thai, Korean, Simplified Chinese, Traditional Chinese
Digital filters	B&W, Sepia, Toy camera, Retro, Colour, Extract colour, Colour emphasis, High Contrast, Starburst, Soft, Fish-eye, Brightness, Miniature
Image Tone	Bright, Natural, Monochrome
Others	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

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

SYSTEM REQUIREMENTS

Operating systems	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
