

MY UNDESTRUCTIBLE FRIEND



AVANTAGES

The Outdoor Camera

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

- ♦ **Tough construction** for shooting in demanding outdoor conditions, you can bring it everywhere or let it in anybody's hands !
- ♦ Reliable **waterproof** construction to assure worry-free shooting at a **depth of 10m**
- ♦ Exceptional **shockproof** capability; it can withstand a fall from a height of **1.5m**
- ♦ **Crushproof** to a pressure **up to 100kg**
- ♦ **Coldproof** to **-10°C**.

High Quality Photo & Video

14 MP Sensor and HD Video

- ♦ **14 MP CCD Sensor**, to offer extremely detailed pictures
- ♦ **HD Video** 720p (1280 x 720 pixels, 30 fps) and **HDMI terminal**

Versatile zoom lens

28mm Wide-angle and 5X Optical Zoom lens
Equivalent 35mm : 28-140mm,

- ♦ **Wide-angle 5X** zoom to accommodate a wide range of subjects and scenes from landscapes to fast-action sports events.
- ♦ **5 LED** placed around the lens to avoid shadows on macro photos
- ♦ **Macro shooting** down to just 1 cm from the subject to get spectacular images of flower or insect
- ♦ Innovative **Digital Microscope** mode for accurate, detailed records of tiny parts for people interested in nature observation.
- ♦ Mode face detection, smile capture and blink detection
- ♦ ISO sensitivity up to 6400



WG-10

OPTIO WG-10 **Red** 12651
EAN code 0027075228467

OPTIO WG-10 **Grey/ Black** 12656
EAN code 0027075228511

Dimensions 115.5(W) x 58.5(H) x 28.5 mm
Weight (body only) 146 g

OPTIONAL ACCESSORIES



	Code Art.
Rechargeable battery Li-Ion D-LI92	39800
Battery charger Kit K-BC92E	39804
AC adapter K-AC117E	38971
USB Cable I-USB7	39551
Black neoprene Softcase	50242
Waterproof remote Control O-RC1	39892
Floating Strap	50195
Macro Stand O-MS2	xxxxx
Bike mount	50270
Chest (rollerblading) mount	50272

SUPPLIED ACCESSORIES



Macro Stand

Rechargeable battery Li-Ion D-LI92
Battery charger D-BC92
AC Plug cord D-CO24E
Pentax USB cable I-USB7
Pentax Strap O-ST104
Macro Stand O-MS1
Software (CD- ROM)

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CCD SENSOR

Number of pixels	Approx. 14 megapixels - effective
Total pixels	Approx. 14.48 megapixels
Sensor size	1/2.3" CCD
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) 3 Quality levels of JPEG («««best, ««better, «good)
Motion blur reduc°	Pixel Track SR, Hi-sensitivity anti-shake mode (Digital SR)

LENS

Focal length	PENTAX 5-25mm, equ. to 28-140mm in 35mm
Aperture	F3.5 (W) - 5.5(T), [smallest aperture (W) F4.2, (T) F6.6]
Construction	11 elements in 9 groups (5 aspherical elements)
Optical zoom	5X
Digital zoom	Approx. 6.7X
Intelligent zoom**	Approx. 7x at 7M, 33.5x at 640 (includ. optical zoom)

LCD SCREEN

Type	2.7" Wide TFT color LCD , approx. 230K dots, AR Coating (Cover only)
LCD frame rate	approx. 30fps

FILE FORMATS

Photo format	JPEG (Exif 2.3), DCF 2.0, DPOF, PRINT Image Matching III
Video format	AVI (Motion JPEG) , with sound
Sound format	WAV (PCM), mono (audio sampling rate : 32kHz, 16bit)

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
Largest magnifica°	approx. 0.4X (for focus mode 1cm macro, Focal length 9.26mm, focusing distance 0.01m)
Focus options	Infinity-landscape, Pan Focus, Manual Focus
AF points	9-point AF, Spot AF, Auto-tracking AF (anticip. moving subj.)
Standard	0.5m - infinity (whole zoom area)
Macro	0.1m - 0.6m (whole zoom area)
1cm Macro	0.01m - 0.30m (middle zoom position)
Manual	0.01m - infinity (Depends on the zooming steps. 0.01m is only available in 2 - 4 zoom step.)
AF assist lamp	available, + special Macrolight (5 LED at front)

EXPOSURE CONTROL

TTL Metering modes	Multi-segment, Center-weighted, Spot
Shutter speeds	1/1500 - 1/4sec. 4sec at most. (Night Scene mode setting)
Sensitivity range	Auto, Manual (ISO 80 - 6400)
Auto ISO range Dig. SR	ISO 80 - 6400
Scene modes	Auto Picture, Program, Night Scene, Movie, Underwater, Underwater Movie, Digital Microscope, Landscape, Flower, Portrait, Digital Wide, Digital SR, Surf & Snow, Kids, Pet, Sport, Fire works, Candlelight, Night Scene Portrait, Text, Food, Digital Panorama, Frame Composite, Report, Green
Autopict. sc.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
Exposure compens°	± 2EV (1/3EV steps)

FLASH

Flash modes	Auto, Flash-on and Flash-off modes, "red-eye" compensation function employs a pre-discharge.
Flash range	Wide: approx.0.2 - 3.9m (ISO Auto) Tele: approx. 0.2 - 2.5m (ISO Auto)

VIDEO

Movie	Movie Shake reduction mode
Nb of rec. pixels	1280, 640, 320
Duration	Depends on memory card capacity
Resolution	HDTV (1280x720) approx 30/15fps, VGA (640x480) at 30/15fps ; QVGA (320x240) at 30/15fps
Video Editing	Save as still image , Divide Movies , Adding title picture

POWER SUPPLY

Battery	Rechargeable D-LI92 Lithium-ion battery
Capacity*	Approx. 260 shots* and 280 min* in playback mode Approx. 120min* movie and 350min* audio mode *** (with rech. Lithium Ion battery)
Other source	Optional AC adapter kit

INTERFACES

Interfaces	USB 2.0 (Hi-Speed), PC/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 (immediate or 3 sec)], Cont. Shooting, Burst Shooting, Remote Control, Interval Shooting, Auto Bracket
Start-up time	approx. 1.3 sec
Release time lag	approx. 0.037 sec
Cont. Shooting	approx. 0.68 frame/sec (for up to 24 frames)
High-sp. cont. Shoot	approx. 2.27 frame/sec (for up to 19 frames) approx. 5.26 f/sec (for up to 19 frames at ISO 3200/6400)
White balance	Auto, Daylight, Shade, Tungsten light, Fluo. light, Manual
DRE	Shadow and highlight adjustment

OTHER FEATURES

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, Color, Extract Color, Color Emphasis, High Contrast, Starburst, Soft, Fish-eye, Brightness, Miniature Filter
Image Tone	Bright, Natural, Monochrome
Others	Noise reduc° auto. applied when the shutter speed is slower than 0.25 sec, Face Detection AF&AE is available for all modes up to 32 faces. Smile Capture, Self-portrait assist, Self-portrait Assist + Smile Capture, Blink Detection, Detect up to 1 pet's face (auto or select from pre-reg. three faces), Date Imprint available (Date, Date & time, Time) (except Green), world time, text size (default or Large), changing folder name
Playback functions	One Shot, Index (6 or 12 thumb nails), Enlargement (up to 10X, scroll available), Movie Playback, Sound Playback, Histogram, Folder display, Select&Delete, Calendar
Playback modes	Slideshow, Image Rotation, Small Face Filter, Ink Rubbing Filter, Collage, Digital Filter(B&W / Sepia, Toy Camera, Retro, Color, Extract Color, Color Emphasis, High Contrast, Starburst, Soft, Fish-eye, Brightness Filter, Miniature), Original Frame, Frame Composite, Movie Edit, Red-eye Compensation, Resize, Cropping, Image/Sound Copy, Voice Memo, Protect, DPOF, Startup Screen, Face close up playback
Waterproof**	Equivalent to JIS Class 8 waterproof capabilities
Dustproof**	Equ. JIS Class 6 dustproof capabilities

DIMENSIONS AND WEIGHT

Dimensions	115.5(W) × 58.5(H) × 28.5(D) mm (including lens depth)
Weight	146 g body only, 166 g with battery and SD card

SYSTEM REQUIREMENTS

Operating systems	PC: Windows XP SP3, Vista™, 7 and 8 Mac: OS X 10.4 or above
SOFTWARE	MEDIAIMPRESSION 3.6.1 LE (WINDOWS) MEDIAIMPRESSION 2.2 LE (MACINTOSH)

* 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.

** Waterproof (Up to 10m (33ft) for 2hours), Shock proof (Up to 1.5m (4.9ft))

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

**** Voice recording functional after allocating it to "Green Button.

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

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

* At high ISO (3200-6400) rec. pixels fixed to either 5M(2592x1944) or 4M(2592 x 1464).

* In continuous shooting mode(High), rec. pixels fixed to 5M(1600x1200) or 4M (2592x1464) per frame.

* In frame composite mode, recorded pixels is fixed to 3M(2048x1536) or 2M(1920x1080).

* In Digital Panorama mode, recorded pixels is fixed to 2M(1600x1200) per frame.

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

* In Original Frame mode, rec. pixels fixed to either 5M(2592x1944) or 4M(2592 x 1464).

** Intelligent zoom not applicable under (High ISO) Digital SR Mode and Report Mode