

PENTAX Digital cameras

Optio W80



MORE POWER, MORE FREEDOM, GREATER PROTECTION IN ANY SITUATION.

- > 12.1 Megapixel CCD
- > Shockproof housing protects against drop damage up to 1m
- > Waterproof to a depth of 5 meters for up to 2 hours (JIS 8 standard)
Usable temperature range down to -10° C
- > 28 mm - 140 mm (35mm film format) internal 5-fold optical zoom
- > 2.5-inch LCD monitor, 230,000 dots, with anti-reflection coating
- > Extremely compact and light body
- > Sensitivity range from ISO 64 to ISO 6,400
- > Video and sound recording in HDTV compatible
1,280 x 720 pixel (30 fps)
- > Digital Shake Reduction (Pixel Track SR), Video Shake Reduction
- > Face Recognition - up to 32 faces in 0.03 seconds, Smile Capture, Blink Detection
- > Numerous Colour and Special Effect filters for more fun and interesting pictures
- > Many in-camera image frames ready for printing
- > Highlight and shadow correction

Packaging data. Dimensions (HxWxD): 180 x 135 x 80
Weight: 540g

Optio W80 Silver	Code No. 17732
Barcode	0027075154469
Optio W80 Cardinal Red	Code No. 17772
Barcode	0027075154780
Optio W80 Azur Blue	Code No. 17752
Barcode	0027075154629
Optio W80 Honey Yellow	Code No. 17792
Barcode	0027075154940

Standard Accessories



Optional accessories



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TECHNICAL DATA

More information at www.pentax.co.uk

CCD

- CCD with approx. 12.1 Megapixels – effective
- Resolution Photo: 12 MP (3:2, 16:9), 7 MP, 5MP, 3 MP, 1 MP, 640 x 480
- Sensitivity: automatic, fixed (ISO 64 – 6,400)

Lens

- 5 – 25 mm / f3.5 – 5.5 (28 – 140 mm in 35mm film format), 11 elements in 9 groups, (5 aspherical lens elements)
- 5x optical zoom,
- 6.25x digital zoom
- Intelligent zoom 6.5x at 7MP, approx. 31.3x at 640 (incl. optical zoom)

Monitor

- Low-reflection 2.5" LCD monitor, approx. 230,000 dots, with special anti-reflection coating
- Image viewing after recording: single image with histogram, recording data, 10x magnification, thumbnail view, slide show, image rotation

Image formats:

- Photo: JPEG (Exif 2.2), DCF 2.0
- Video: AVI (Motion JPEG) with sound
- Sound: WAV (PCM, mono)

Memory

- SD, SDHC cards
- Approx. 33.7 MB internal memory

Focus

- 9-Point TTL contrast detection system switchable to infinity, Spot-AF, manual focus or focus tracking, red AF assist light
- Normal: 0.5 m – ∞ (entire zoom range)
- Macro: 0.1 – 0.6m (entire zoom range)
- 1cm macro: 1cm to 30cm (middle zoom position), panfocus, infinity-landscape, manual focus available

Metering

- Multi-field metering, switchable between centre-weighted metering or spot metering
- Programme controlled electronic shutter
- Shutter speeds: approx. 1/1,500 – 1/4 sec.
- Auto picture, programme automatic, night scene, landscape, flowers, surf & snow, kids, pets, portrait, night portrait, half length portrait, sport, fireworks, candle light, text, food, report, green programme, digital wide-angle, digital panorama, digital SR, frame (80 different frames available), video, underwater video
- Exposure correction: ±2 EV (1/3 steps)

Flash

- Built-in flash with automatic operation in poor lighting
- Manual flash-on and flash-off modes, soft flash
- Preflash for reduction of the "red-eye" effect
- Flash range (at ISO Auto)
- Wide-angle: approx. 0.3 – 3.9m
- Tele: approx. 0.4 – 2.5m

Video

- Resolution: 1,280 x 720 (HDTV), 640 x 480 and 320 x 240 at 15 or 30fps
- Editing function: save as photo, sequence
- Electronic movie shake reduction for blur-free video

Power requirements

- Rechargeable Li-Ion battery, D-LI78
- Battery capacity: approx. 170 images*, approx. 180 minutes in playback
- AC mains adapter (optionally available)

Interface

- AV (compatible with NTSC and PAL)
- USB 2.0 connection (high speed)
- AC mains connection

Drive modes

- Single shot, continuous (approx. 1.27fps), high-speed series with 2.9fps (at 5MP) video recording, self timer release (2 or 10 sec.), interval shooting, bracketing

White balance

- Automatic or manual, daylight, shade, incandescent, neon

* Recording capacity shows approximate number of shots recorded during CIPA-compliant testing. Actual performance may vary according to operating conditions. Tests conducted using the monitor and flash for 50% of shots.

Playback functions

- Slideshow, enlargement, cropping, image and sound copy, image rotation, digital filter, (15 colour filters, soft filter, fisheye filter, brightness filter), movie edit, frame composition, red-eye compensation, voice memo, delete protection, DPOF, camera-filter, face recognition playback, image recovery, start menu, retro filter, toy camera filter

Special functions:

- World time for 75 cities, 28 time zones
- Menu languages: English, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Spanish, Polish, Portuguese, Russian, Swedish, Turkish, Japanese, Korean, Chinese, Thai
- Waterproof to a depth of 5 meters (approx. 120 minutes) (JIS Class 8). Dust proof (JIS Class 6)
- Digital shake reduction, video shake reduction
- Face recognition function (face recognition AF & AE) - up to 32 faces are recognized - available in all modes of operation
- Face Priority: this function recognises faces in the picture and preselects settings so that people-shots are perfectly captured
- "Smile Capture" function: the camera's shutter automatically fires when it recognises a smiling; "Blink Detection" gives a warning if the subject blinks when taking a portrait
- Recording date imprinting

Readiness delay

- Switch on time: 1 sec.
- Shutter delay: 0.03 sec.

Print functions

- Print all images and DPOF print, PRINT Image Matching III

System requirements

- PC: Windows Vista, Windows XP, Windows 2000
- CPU: Pentium III or newer
- RAM: minimum 512 MB
- Available hard drive capacity: minimum 1 GB
- Other conditions: CD Rom drive, Internet Explorer 5.0 (or newer), DirectX 9.0 (or newer), Windows Media Player 9.0 (or newer).
- Mac: OS X (10.3 – 10.5)
- CPU: Power Macintosh 233 MHz (or newer)
- RAM: minimum 8 MB
- available hard drive capacity minimum 6 MB
- Other conditions: CD Rom drive, Quick Time 4.0 (or newer)

Software

- ACDSsee for PENTAX, with image data bank, stitcher and image editing programme

As of 25.06.2009. Data subject to change without notice.

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