

TECHNICAL DATA

Additional information at www.pentax.co.uk

CCD

- 1/2.3" CCD with approx. 10 Megapixels – effective
- Resolution Photo: 10 MP, 7.5 MP (16:9), 7 MP, 3 MP, 1 MP, 640x480
- Sensitivity: automatic, fixed (ISO 50–6,400)

Lens

- 5–25mmf/3.5–5.5 (28–140mm in 35mm film format), 11 elements in 9 groups, (5 aspherical lens elements)
- 5x optical zoom
- 5.7x digital zoom
- Intelligent Zoom up to 28.5x

Monitor

- Low-reflection 2.5" LCD Monitor with anti-reflection coating, 170° viewing angle, approx. 230,000 dots
- Image viewing after recording: Single image with histogramme, recording data, 10x magnification, 9 image 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 card
- Approx. 36.4MB internal memory

Focus

- 9 point TTL Contrast Detection System, manual focus and Pan Focus, Spot-AF, focus tracking for moving subjects
- Normal: 0.5m–∞ (wide angle)
- Macro: 0.01–0.6m (wide angle)

Metering

- TTL metering, switchable between Multi-segment, Centre-weighted or Spot metering
- Programme controlled electronic shutter
Shutter speed range: approx. 1/1,500–4sec.
- Recording modes: Video, Underwater Video, Sound, Digital "Shake Reduction", Green Mode, Auto Pict., Programmed automatic, Underwater, Nightscene, Landscape, Flowers, Portrait, Nightscene Portrait, Children, Sport, Surf & Snow, Food, Pets, Text, Digital Wide-angle, Digital Panorama, Jewellery
- Exposure correction: ±2 EV (1/3 steps)

Flash

- Built-in flash with automatic operation in poor lighting conditions
- 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: 1,280x720 (HDTV) at 15fps, 640x480 and 320x240 at 15 or 30fps
- Editing function: save as photo, individual sequence or multiple scenes spliced together
- Movie Shake Reduction for blur-free video clips

Power requirements

- Rechargeable Li-Ion battery, D-LI78
- Battery capacity: approx. 205 images*
approx. 200 minutes in playback
- AC mains adapter (optionally available)

Connections

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

Recording Parameters

- Single, continuous (approx. 1fps), Video, Self-timer (2 or 10sec.), Intervalometer, Bracketing
- White balance: Automatic or manual, Daylight, Shade, Neon

Playback Functions

- Digital filters (11 colour filters, Soft filters, Fish-eye Filter), frame function, picture dimension change, image and sound copying, video editing, "Red-Eye" Reduction, Portrait Zoom, copy function, monitor display image

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 3 meters (approx. 120 minutes) (JIS Class 8), dustproof (JIS Class 5)
- Digital 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-in time: 1.9sec.
- Shutter delay: 0.03sec.

Print Functions

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

System requirements

- PC: Windows Vista, Windows XP, Windows 2000
Pentium III or newer
RAM: minimum 512MB
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: OSX (10.3–10.5)
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

* 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.

As of 21.05.2008. Data subject to change without notice.

PENTAX