

# PENTAX Digital cameras

# Optio A40

Optio A40 Code No.	19364
Barcode	0027075130166



## Nothing is more exciting than perfection.



- > 1/1.7" CCD with 12 megapixels resolution for richly detailed images with outstanding colour renditions
- > 3X optical zoom with 3 aspherical lens elements for sharp, brilliant, high-contrast images
- > Triple "Shake Reduction for blur-free photos utilising the PENTAX original opto-mechanical "Shake Reduction" with highly sensitive detection sensors and special micro mechanics to stabilise the CCD. Additional digital "Shake Reduction" is offered for blur-free pictures and videos under nearly any circumstance.
- > The new "Dynamic Range Adjustment" function that controls the contrast range of the pictures and ensures that photos have a proper balance between brighter and darker areas.
- > People are at the centre of the picture – this "cliché" is no longer just another advertising statement when it comes to the Optio A40. The Optio A40 recognises people in the scene and ensures that they are perfectly captured – the exposure is spot-on, skin tones are correctly reproduced, and the best possible focal length is set. The photographer only has to decide whether the shot should be a classical portrait or a tight head-and-shoulders shot.
- > Internal image processing ASIC \* carries out complex high-speed image processing, offers much faster writing of data to memory and higher quality image editing.











Packaging data
Dimensions (HxWxD): 180x160x85mm

\*ASIC – Application Specific Integrated Circuit (Ultra-fast IC component especially developed for complex processing)

### Standard Accessories

 Code No. 39553 AV-Cable I-AVC7	 Code No. 39551 USB-Cable I-USB7	 Code No. 39195 Hand strap O-ST20
 Code No. 39475 AC-Cable D-CO2E	 Code No. 39636 Battery charging station D-BC68	 Code No. 39635 Li-Ion battery D-LI68
 Software S-SW68		

### Optional accessories

 Code No. 50129 Leather case LC-A1	 Code No. 39613 AC Mains adapter kit K-AC63E	 Code No. 39640 Battery charger kit K-BC68E
 Code No. 37376 Remote Control E (with zoom function)	 Code No. 37377 IR Remote Control F (without zoom function)	 Code No. 39270 Sport Strap O-ST30
 Code No. 39263 Leather Strap O-ST24	 Code No. 50121 Display Protection Foil 2.5"	

## TECHNICAL DATA

### CCD

- 12.4 Megapixel – total  
12.0 Megapixel – effective
- 1/1.7" Interline Transfer CCD with primary colour filter
- Resolution: 12 MP (4,000 x 3,000), 10 MP (3,648 x 2,736), 7 MP (3,072 x 2,304), 5MP (2,592 x 1,944), 3 MP (2,048 x 1,536), 1,024 x 768, 640 x 480
- Sensitivity: automatic, manual selectable (ISO64, 100, 200, 400, 800, 1,600, 3,200)

### Lens

- 7.9–23.7mm/2.8 ~ 5.4 (37–111mm in 35mm format), 7 elements in 5 groups (2 double-sided and 1 single-sided aspherical lens elements)
- 3X optical zoom, 6X digital zoom

### Monitor

- Low-reflection 2.5" TFT Monitor with backlighting, 160° viewing angle, 100% field of view, approx. 232,000 pixels
- Image viewing after recording:  
single image with histogramme, 8x magnification  
9 image thumbnail view, slide show, image rotation

### Image Formats

- Photo: JPEG (Exif 2.2), DCF, DPOF
- Video: AVI (MPEG-4, DivX®-Format), with sound
- Sound: WAV (PCM, mono)

### Memory

- SD card
- SDHC card
- Approx. 21 MB internal memory

### Focus

- 5-point TTL Contrast Detection System with AF assist light, focus tracking with appropriate Picture Modes, Spot AF, manual and pan focus
- Photo: Normal: 0.35m – ∞  
Macro: 0.12–0.4m (wide angle)  
Supermacro: 0.06–0.15m (wide angle)

### Metering

- TTL metering switchable between multi-field, centre-weighted or spot metering
- Programme controlled electronic shutter  
Shutter speeds: approx. 1/2000–4sec.
- Recording function: Video, Sound, digital "Shake Reduction", Auto Pic Mode, Programmed automatic, Shutter Priority, Manual, Nightscene, Landscape, Flowers, Natural Skin Tone, Portrait, Kids, Sport, Surf & Snow, Food, Pets, Jewellery
- 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. 0.06–7.1m  
Tele: approx. 0.35–3.5m

### Video\*\*

- Resolution: 640x480, 320x240
- Editing Function: save as photo, individual sequence or multiple scenes spliced together
- Videos are MPEG-4 compatible and recorded in the memory-saving DivX® format so that longer videos can be recorded in higher quality
- Movie "Shake Reduction" for blur-free video
- Frame rate: input signal at 25fps recorded at 30fps.

### Power requirements

- Rechargeable Li-Ion battery, D-LI68
- Battery capacity: approx. 240 images\*  
approx. 250 minutes in playback
- AC mains adapter (optionally available)

### Interface

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

### Drive modes

- Single shot, continuous, Video and Sound, Self Timer release (2 or 10sec.), IR Remote Control (0 or 3sec. release delay)

### White balance

- Automatic or manual, Daylight, Tungsten, Shade, Neon

### Special Functions

- World time for 75 cities, 28 time zones
- Menu languages: English, Czech, Danish, Dutch, Finnish, French, German, Hungarian, Italian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish, Japanese, Korean, Chinese, Thai
- "Shake Reduction" for blur-free images with longer shutter speeds and focal lengths
- Date imprint for on-screen presentations
- Dynamic Range Adjustment for more accurate representation relative brightness

### Operation speeds

- Switch on to ready: 1.8sec.
- Shutter delay: 0.01sec.

### Print Functions

- PictBridge compatible for single image print, all image print and DPOF print, PRINT Image Matching III

### System requirements

- PC: Windows 2000 and XP Home Edition/Professional (compatible with Windows Vista)  
CPU: Pentium III 500MHz or newer  
RAM: minimum 128 MB  
Available hard drive capacity: minimum 50 MB
- Mac: OS 9.2 (with latest Version CarbonLib) or higher with QuickTime 6.0  
CPU: POWER Macintosh Processor with minimum 266 MHz  
RAM: minimum 8 MB, available hard drive capacity minimum 6 MB

### Software

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

#### Additional information at [www.pentax.co.uk](http://www.pentax.co.uk)

\*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.

\*\*Videos cannot be shown on Macintosh computers.

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