PENTAX Digital cameras

Optio A40

Optio A40 Code No.	19364
Barcode	0027075130166

Weight: 130g

89mm

23.5mm

2.5"

56.5mm

89mm

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.

PictBridge   ACDSee For PC and Mac   SDHC™   SD™   Red by FotoNation   SR Shake Reduction   DivX VIDEO CERTIFIED ENCODER

Packaging data
Dimensions (HxWxD): 180 x 160 x 85mm

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

Standard Accessories

Code No. 39553	Code No. 39551	Code No. 39195
AV-Cable I-AVC7	USB-Cable I-USB7	Hand strap O-ST20

Code No. 39475	Code No. 39636	Code No. 39635
AC-Cable D-CO2E	Battery charging station D-BC68	Li-Ion battery D-LI68

Code No. 39475 ... Software S-SW68

Optional accessories

Code No. 50129	Code No. 39613	Code No. 39640
Leather case LC-A1	AC Mains adapter kit K-AC63E	Battery charger kit K-BC68E

Code No. 37376	Code No. 37377	Code No. 39270
Remote Control E (with zoom function)	IR Remote Control F (without zoom function)	Sport Strap O-ST30

Code No. 39263	Code No. 50121
Leather Strap O-ST24	Display Protection Foil 2.5"

PENTAX

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: 640 x 480, 320 x 240
- 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
- ACDSee for PENTAX, with image data bank,
  Stitcher and image editing programme

Digital compact cameras

PENTAX