# PENTAX Digital Cameras
# Optio W20

| Optio W20 Code No. | 19122 |
|---|---|
| Barcode | 0027075121560 |

Weight: 135g

23mm

106.5mm

2.5"

54,5 mm

106.5 mm

AV Cable I-AVC7    USB Cable I-USB7    AC Cable D-CO24E

Battery Charger D-BC8    Li-Ion Battery D-LI8    Hand strap O-ST20

Software S-SW58

## There are so many beautiful aspects to the world. Picture them all.

> 1/2.5" CCD with 7.0 Megapixels for large, beautiful prints and enlargements of cropped images

> Waterproof, dust proof and durable for sport and leisure pictures and movies

> "Blur Reduction" Mode for sharp pictures under difficult conditions such as dawn or indoor lighting

> Macro photography possible as close as 1 cm

> Transverse, non-protruding 3x optical zoom lens

> Huge glare-free backlit 2.5" TFT Monitor with 115,000 pixels

> Video recording in 640x480 pixel format with "Movie anti shake" – also for underwater recording

PictBridge    ACDSee For PC and Mac    SD

Leather case LC-W1    Neoprene case    AC Adapter K-AC8E

Sport Strap O-ST30    Leather Strap O-ST24

### Packaging data
Dimensions: 187x162x83mm
Weight: 760g

Digital Compact Camera

# PENTAX

## CCD
- 7.41 Megapixel – total
  7.0 Megapixel – effective
  1/2.5" Interline Transfer CCD with Primary Colour Filter
- Resolution: 7 MP (3,072 x 2,304), 5 MP (2,560 x 1,920),
  4 MP (2,304 x 1,728), 3 MP (2,048 x 1,536),
  2 MP (1,600 x 1.200), 1,024 x 768, 640 x 480
  (in "Frame Composition" Mode resolution fixed at
  3 MP (2,048 x 1,536)
- Colour Depth: 3 x 12 Bit
- Sensitivity: automatic, manual selectable (ISO 64, 100, 200, 400, 800, 1.600 (in "Blur Reduction" and "Report" Modes sensitivity is fixed at ISO 1,600)

## Lens
- 6.3 – 18.9mm / 3.3 – 4 (38 – 114mm in 35mm format), 11 elements in 9 groups, (1 single-sided aspherical lens element, 2 double-sided aspherical lens elements)
- 3x optical zoom
- 4x digital zoom

## Monitor
- Backlit, low-reflection 2.5" TFT Monitor, approx. 115,000 pixels
- Image playback: single image with Histogramme, 8x magnification, 9 image Thumbnail view, Slide show, Image rotation

## Image Formats
- Photo:    JPEG (Exif 2.2), DCF, DPOF
  Video:    MOV (Motion-JPEG), with Sound
  Sound:    WAV (PCM, mono)

## Memory
- SD Card to 2 GB, SDHC Memory Card
- approx. 22 MB internal memory

## Focus
- 9 Point TTL Contrast Detection System, switchable to Spot AF, focus control adjusted with picture modes
- Normal:    0.4m – ∞
  Macro:      0.01 – 0.6m (wide-angle)
  Panfocus: 1.5m – ∞ (wide-angle)
                  5m – ∞ (Tele)
  Manual:    0.1m – ∞ (wide-angle)

## Metering
- TTL metering switchable between multi-segment, centre-weighted or spot
- Programme controlled electronic shutter
  Shutter speeds: approx. 1/1,200 – 4 sec.
- Programmed Automatic, Picture Modes: Night scene, Video, Sound, Synchronous Sound Record, Landscape, Flowers, Portrait, Underwater, Sport, Surf & Snow, Kids, Food, Pets, Candlelight, Soft, Fireworks, Selfportrait, Skin Tone, Museum, Report, Underwater Video, Sunset, Blur Reduction, Text, Frame
- Exposure correction: ±2 EV (1/3 EV steps)

## Flash
- Built-in automatic flash with automatic operation in poor lighting conditions.
- Manual on and off
- Preflash for reduction of the "Red Eye" effect
- Flash range (at ISO Auto)
  Wide angle: approx. 0.3 – 5m
  Tele:           approx 0.5 – 4m

## Video**
- Resolution: 640 x 480, 320 x 240
- Editing Function: save as photo, Sequence cut or sequence splice
- "Movie anti shake" for blur-free recording
- Frame rate: 30 or 15 fps

## Power requirements
- Rechargeable Li-Ion battery D-LI8
- Battery capacity: approx. 240 images*
                  approx. 80 min. video recording
                  approx. 400 min. sound recording
                  approx. 360 min. playback
- AC adapter (optionally available)

## Connections
- AV (compatible with NTSC and PAL)
- USB connection
- AC mains connection

## Recording parameters
- Single shot, Series, (Standard/High-Speed), Video recording, Self Timer release (2 or 10 sec.), Intervalometer
- White balance: Automatic or manual, Daylight, Cloudy, Shade, Incandescent, Neon

## Special features
- World time for 71 cities, 28 time zones
- Clock display with alarm function, display of time for 10 seconds with manipulation of the „OK" key
- Menu languages: English, French, German, Spanish, Portuguese, Italian, Swedish, Dutch, Russian, Korean, Chinese, Japanese, Thai
- Extensive selection of Picture Modes
- Numerous features for image viewing and manipulation

## Print functions
- Print all and DPOF Print, PRINT Image Matching III

## System requirements
- PC:    Windows 98SE, ME, 2000 und XP Home Edition/Professional
  CPU: Pentium III 500 MHz 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
  Memory capacity: minimum 8 MB, free hard drive space Minimum 6 MB

## Software
- ACDSee for PENTAX, with Image Data Bank, Stitcher and image editing program

**Further information at 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.
**Movie playback is not supported on Macintosh operating systems.

**Digital Compact Camera**

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