PENTAX Digital Cameras

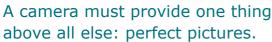
Optio M20

Optio M20 Code No. 0027075121195









- > 1/2.5" CCD with 7.0 Megapixel resolution
- > PENTAX motorised zoom lens with high-quality glass and 3x optical and 4x digital zoom
- > Power management for long battery life, up to 700 images (Lithium AA batteries)
- Usable with universally available AA batteries
- Enormous backlit 2.5" TFT Monitor with 115,000 pixels
- "Blur Reduction" Mode for sharp images under difficult conditions such as dawn or indoor lighting
- > Movies with "Anti shake"
- > Supplied with docking terminal compatible with Kodak printers with EasyShare System

Standard Accessories	Code No.
AV Cable I-AVC7 (B)	39553
USB Cable I-USB7	39551
Hand strap O-ST51	39328
Dock Insert for Kodak Printer	
2x AA batteries	
Software S-SW49	







Hand strap O-ST51





Optional accessories	Code No.
Leather case	50085
AC Mains Adapter Kit K-AC51	39562
Charger + 2x AA Energizer	50132
Charger + 4x AA Energizer	50095







AC Adapter Kit K-AC51











TECHNICAL DATA

CCD

• 7.38 Megapixel – total

7.0 Megapixel - effective

1/2.5" Interline Transfer CCD with Primary Colour Filter

• Resolution: 7 MP (3,072x2,304), 5 MP (2,560x1,920),

4 MP (2,304×1,728), 3 MP (2,048×1,536), 2 MP (1,600×1,200), 1,024×768, 640×480

(in "Frame Composition" Mode resolution is fixed

at 3 MP (2,048 x 1,536)

• Colour Depth: 3x12 Bit

 Sensitivity: automatic, manual selectable, ISO 64, 100, 200, 400, 800, 1.600 (in "Blur Reduction" Mode sensitivity is fixed at ISO 1.600)

Lens

- 6.3-18.9mm/3.1-5.9 (38-114mm in 35mm format), 6 elements in 5 groups, 1 aspherical lens element
- 3x optical zoom
- 4x digital zoom

Monitor

- 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, SDHC Card up to 4 GB capacity
- approx. 22 MB internal memory

Focus

• 9 Point TTL Contrast Detection System, switchable to Spot AF, focus control adjusted with picture modes, Focus lock

• Normal: 0.4m - ∞

Macro: 0.1-1.0m (wide-angle) Manual: $0.1m-\infty$ (wide-angle)

Supermacro: 0.05-0,4m

Panfocus: $1.4m-\infty$ (photo mode)

0.5m-∞ (Movie mode)

Metering

• TTL multi segment metering

• Programme controlled electronic shutter Shutter speeds: approx. 1/1,200-4 sec.

 Programmed Automatic, Picture Modes: Night scene, Video, Sound Landscape, Green, Flowers, Kids, Portrait, Selfportrait, Soft, Fireworks, Sport, Surf & Snow, Pets, Blur Reduction

• 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. 0.5-4m
 Tele: approx. 0.6-2m

Video**

• Resolution: 640x480, 320x240

• "Movie anti-shake" for blur free recording

• Frame rate: 30 or 15 fps.

Power requirements

 2x AA batteries (Lithium, Alkaline, Nickel and rechargeable Ni-MH, minimum 2500 mAh batteries recommended)

• Battery capacity: approx. 220 pictures* (Alkaline)

approx. 460 pictures * (NiMh) approx. 700 pictures * (Lithium) approx. 500min. playback (Alkaline)

• AC mains adapter (optionally available)

Connections

- AV (compatible with NTSC and PAL)
- USB connection
- Docking station
- AC mains connection

Recording parameters

- Single shot, Series, Self Timer release (2 or 10 sec.)
- White balance: Automatic or manual, Daylight, Incandescent, Neon, Shade

Special features

- World time for 71 cities, 28 time zones
- Menu languages: English, French, German, Spanish, Portuguese, Italian, Swedish, Dutch, Russian, Korean, Chinese, Japanese, Thai
- Extensive selection of Picture Modes
- Numerous features for viewing and editing pictures
- The M20 has outstanding power management and a low current consumption. Recording capacities of approx. 460 pictures with 2.500 mAh batteries and approx. 700 pictures with AA lithium batteries are possible.

Print functions

- PictBridge compatible for single image print, all image print and DPOF print, PRINT Image Matching III
- With the included Dock Adapter the Optio M20 can be integrated with the Kodak EasyShare Print System.

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 OuickTime 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.

