

# PENTAX Digital Cameras

## Optio M20

Optio M20 Code No.	18626
Barcode	0027075121195



A camera must provide one thing above all else: perfect pictures.

- > 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	



AV Cable I-AVC7



USB Cable I-USB7



Hand strap O-ST51



2x AA batteries



Software S-SW49

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



Leather case



AC Adapter Kit K-AC51



Charger + 2x AA



Charger + 4x AA



# PENTAX

## 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 (2,304x1,728), 3 MP (2,048x1,536),  
2 MP (1,600x1,200), 1,024x768, 640x480  
(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–∞ (wide-angle)  
Supermacro: 0.05–0.4m  
Panfocus: 1.4m–∞ (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  
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](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.

\*\*Movie playback is not supported on Macintosh operating systems.