PENTAX digital cameras

K-m

K-m Zoom Set Code No. (with smc DA L 18–55mm)	**17302**
Barcode	**0027075147430**
K-m Double Zoom Set Code No. (with smc DA L 18–55mm and smc DA L 50–200mm)	**17303**
Barcode	**0027075147447**

The Easy Camera.

> Remarkable picture results: the CCD sensor delivers 10.2 Megapixel resolution. More than enough for pin-sharp and brilliant poster-sized prints.

> A lot in a little: with its diminutive dimensions the K-m is one the smallest DSLRs in its class: a mere 122.5x91.5x67.5mm, and feather light 525 gram (body only).

> Particularly professionally: high-quality RAW data (DNG or PEF) that can be processed right in the camera.

> More freedom: in-body Shake Reduction is standard in PENTAX DSLRs. It makes blur-free photography possible in unfavourable lighting conditions. With any lens.

> Ingenious helper: the built-in guide and automatically selected settings for numerous scenes and situations make the K-m second to none. What's more, the 10 Picture Modes easily provide the best picture results.

> More dynamic: the dynamic range of the K-m can be extended to provide more clarity and depth in the bright and dark ranges.

> More stability: with a metal chassis the K-m is very stable. As a result, the optimal sensor to mount distance is assured.

> Charge up anywhere: the K-m operates with standard AA batteries. Thanks to its intelligent energy management you can get up to 1,000 shots per set. This independence means that you no longer have to worry about having a battery charger on hand.

> Future compatibility: the K-m is designed to work with most modern ultrasonic-drive lenses. Naturally, you can also use mechanical autofocus lenses as well.

PictBridge SD SR Shake Reduction DR Dust Removal

Standard accessories	Code No.
DA L 18–55mm/3.5~5.6 AL	21827
DA L 50–200mm/4.0~5.6 ED (Double Zoom Set)	21817
USB cable I-USB7	39551
Shoulder strap O-ST84	39714
Eyecup FQ	
Cover for accessory shoe	31040
4x AA batteries	
Software S-SW84	

Packaging data	
Dimensions (WxDxH):	
Zoom Set	192x180x122mm
Double Zoom Set	240x176x121mm

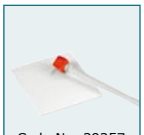
Optional accessories

Code No. 50099
SLR case (body + 2 lenses)

Code No. 50154
Backpack for complete camera system

Code No. 50158
Aluminium case

Code No. 39761
AC Mains Adapter Kit K-AC84E


Code No. 39357
Sensor Cleaning Kit

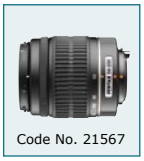
Code No. 37377
IR Remote Control F

Code No. 37248
Cable Release CS 205

Code No. 30465
AF-200FG Flash

Code No. 30333
AF-360 FGZ Flash

Code No. 30425
AF-540 FGZ Flash


Code No. 21567
smc PENTAX DA L 50–200mm f/4.0–5.6 ED

PENTAX

TECHNICAL DATA

Additional information available at www.pentax.co.uk

CCD

- 10.75 Megapixel – total
  10.2 Megapixel – effective
  23.5 x 15.7 mm Interline Interlace CCD with primary colour filter
- Colour depth: 3 x 12 Bit in RAW, 3 x 8 Bit in JPEG
- Resolution
  JPEG: (JPEG baseline in quality steps (Best, Better, Good)
  10 MP (3,872 x 2,592), 6 MP (3,008 x 2,000), 2 MP (1,824 x 1,216)
  RAW: 10 MP (3,872 x 2,592)
- Sensitivity: Automatic, Manual selectable
  (ISO 100 – 3,200)

Lens

- PENTAX K_{AF2} bayonet
- Compatible with PENTAX K_{AF3}, K_{AF}- and K_{A}- lens mounts.
  No support for K_{AF} Motor Zoom Function

  (K-mount lenses – with adapters – M42 and medium format lenses are mechanically compatible. Due to the high resolution of camera and lack of electronic contacts on the lenses no general statement can be made regarding full compatibility of functions.)

Viewfinder

- Built-in pentamirror finder
- Viewing area 96% with finder magnification of 0.85x
  (with 50mm f/1.4 lens at infinity, $-1m^{-1}$)
- Bright non-interchangeable "Natural Bright II" focusing screen
- Viewfinder indications below image area
- Dioptre correction -2.5 dpt. – +1.5 dpt.

Monitor

- 2.7" low-temperature polysilicon TFT Monitor with 230,000 dots.
  Brightness control and wide viewing angle (approx. 170°)

Preview

- Digital preview via Preview Button (Help button)

Image Formats

- Photo: RAW (PEF, DNG), RAW+JPEG
  JPEG (Exif 2.21), DCF
  JPEG compression: JPEG Baseline in quality steps of Optimal, Better, Good

Memory

- SD card, SDHC card

Focus

- Autofocus system (SAFOX): TTL Phase Matching with 5 cross sensors with indication in finder
  Operational range: EV 1 – EV 19
- AF Single with focus lock or continuous AF
  (as a function of the exposure program)
- Focussing point selectable between automatic or manual choice, spot focussing
- AF-Assist with built-in flash

Metering

- 16 segment TTL open aperture metering coupled with AF and lens information, switchable between Multi segment, Centre weighted and Spot metering.
  Operational range: EV 0 – EV 21
- Electronically controlled vertical-run focal plane shutter
  Shutter speeds:
  Automatic: 1/4,000 – 30sec. (stepless)
  Manual: 1/4,000 – 30 sec. (in 0.5EV steps) and Bulb
  Flash sync: 1/180 sec.
- Green, Programmed automatic (Hyper programme), Sensitivity Priority, Aperture Priority, Shutter Priority, ISO Automatic, Manual, Long exposure
- Picture Modes: (automatic or manual): Portrait, Landscape, Macro, Sport, Nightscene Portrait, Flash Off
- Scene Modes: Nightscene, Surf & Snow, Food, Sunset, Children, Pets, Candle light, Museum, Concert, Night snapshot
- Exposure compensation: ±2 EV (1/3 or 1/2 EV steps)
- Auto bracketing: ±0.5 EV, ±1.0 EV, ±1.5 EV in 0.5 EV steps
  or ±0.3 EV, ±0.7 EV, ±1.0 EV in 0.3 EV steps
- Exposure memory button

Flash

- Built-in P-TTL automatic flash with automatic operation in poor lighting conditions
- Manual on/manual off
- Preflash for reduction of the "Red Eye" effect
- Flash compensation: -2 – +1 EV in 0.5 EV steps)
- GN 11 at ISO 100
- Hotshoe on camera top for use of system flashes
- High Speed Synchronisation with appropriate PENTAX flash
- Flash coverage for 28mm lens (equivalent in 35mm format)

Power requirements

- 4x AA batteries (Lithium, Alkaline, Ni-MH)
- Battery capacity: approx. 1,650 pictures*
  approx. 1,000 pictures (50% with flash)
  approx. 750min. playback
- AC adapter (optionally available)

Connections

- USB 2.0 (High Speed)
- AV (compatible with NTSC and PAL)
- AC adapter (optionally available)

Recording Parameters

- White Balance: Automatic or manual, Daylight, Shade, Cloudy, Tungsten, Neon (W, N, D), Flash, manual balance with fine adjust
- Digital filters, recording mode: Toy camera, Black & White, High Contrast, Star, Sepia, Colour extract
- Digital filters, playback mode Toy camera, Black & White, High Contrast, Brightness, Star, Retro, Sepia, Colour extract, Sepia, Colour Filter, Illustration (Pastel, Water), Soft and Slim Filter, HDR, Custom
- Drive modes: Single, Continuous (Hi/Low) 3.5 fps., 5 images in JPEG (Hi) 1.1 fps to max. capacity of memory card (Low), 4 images is RAW (DNG), Auto bracketing, Self-timer with 2 sec. delay (mirror-up lock) and 12sec. delay, IR Remote Control, Continuous

Special features

- PENTAX-developed opto-magnetic "Shake Reduction" System. Body-integrated to reduce image blurring. Gives up to an additional 4 stops hand-held shooting capability (for long exposures a tripod should be used)
- 3 step Dust Removal System:
  1. Special coating on the Low Pass Filters,
  2. Vibration system to remove dust,
  3. Adhesive strip to collect dust particles
- Compatible with ultrasonic lenses
- Camera internal file designation switchable between standard files or date
- Extended exposure functions by 10 Scene Modes
- Digital Preview with Preview Button (Help button)
- 23 individually adaptable camera functions
- World time for 75 cities in 28 times zones
- Manu languages: English, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Polish, Portuguese, Spanish, Swedish, Russian, Turkish, Chinese, Japanese, Korean

Print functions

- PictBridge, DPOF (Digital Print Order Form), PRINT Image Matching III,

System requirements

- Integrated USB connector
- PC: Windows XP, Windows Vista
  CPU: Pentium IV or newer (recommended: 2GHz or faster)
  Memory: minimum 1GB
  Free hard drive space: 250MB or more
  Monitor resolution: 1,280 x 1,024 or more (24 Bit colour reproduction)
- Mac: OS x 10.3 or higher
  CPU: POWER PC G5 or newer (Intel® Core™ Universal Binary recommended)
  Memory: minimum 1GB
  Free hard drive space: 250 MB or more (512MB recommended)
  Monitor resolution: 1,280 x 1,024 or more

Software

- PENTAX PHOTO Browser 3/PENTAX PHOTO Laboratory 3 with integrated RAW converter

There is more to digital photography than taking the photo and printing or viewing on a monitor. In the past one collected their pictures and negatives in boxes or albums, so it was difficult to keep an overview of all the pictures. An advantage of digital photography is that you can create picture archives electronically. With the PENTAX PHOTOBROWSER software, which is provided with the PENTAX K-km, you will always have a complete overview of your pictures. PENTAX PHOTOLABORATORY substantially expands the possibilities of your camera so you can get the most from your RAW data files.

*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.

We recommend Energizer batteries.

As of 23.09.08 / Photokina

All data under reservation.

PENTAX