

PENTAX Digital Cameras

K100D K110D



What you need for the creative demands of everyday life: a durable and compact camera.

- > Camera-integrated and non lens-dependent opto-electronic "Shake Reduction" system for reducing image blur (**K100D** only)
- > Strong polycarbonate body with stainless steel chassis
- > 23.5x15.7mm 6.1 megapixel CCD colour sensor for high contrast photographs with excellent signal to noise ratio - for long exposures additional noise reduction system
- > 14 automatic exposure functions with Picture Modes and additional Scene Modes, based on the technologies of high-end compact cameras
- > Large 2.5" high resolution TFT Monitor with 210,000 pixels and wide view angle of 140°
- > Pentamirror finder with 96% image view and 0.85x magnification



Packaging data
Dimensions: 203x147x112mm
Weight: 920g

* K100D only

K100D Code No.	19016
Barcode	0027075121164
K110D Code No.	19026
Barcode	0027075121430



K100D
With "Shake Reduction" System



K110D
Without "Shake Reduction" System

Standard accessories	Code No.
AV Cable I-IVC28	39262
USB Cable I-USB17	39233
Shoulder strap O-ST53	39323
Body cap	31016
Eyepiece cap M	31011
Eyecup FO	30147
Accessory shoe cover	31040
4x AA Batteries	
Software S-SW53	



AV Cable I-IVC28



USB Cable I-USB17



Shoulder strap O-ST53



Body cap



Eyepiece cap



Eyecup FO



Accessory shoe cover



4x AA Batteries



Software S-SW53

Optional accessories	Code No.
SLR case (body + 2 lenses)	50099
Backpack	50098
AC Mains Adapter Kit K-AC10E	39212
LCD protection foil 2.5"	50121
IR Remote Control F	37377
AF-360 FGZ Flash with case	30333
AF-540 FGZ Flash with case	30425
Flash shoe adapter FG (camera side)	31045
Flash shoe adapter F (flash side)	31022
Flash shoe adaptor stand (flash side with tripod socket)	31046
Off camera shoe clip	30336
Sync cable F (0.5m)	37347
Sync cable F (3.0m)	37349

TECHNICAL DATA

CCD

- 6.31 Megapixel – total
6.1 Megapixel – effective
23.5x15.7mm Interline-Interlace CCD with Primary Colour Filter
- Colour depth: 3x12 Bit in RAW, 3x8 Bit in JPEG
- Sensitivity: Automatic, Manual
selectable (ISO 200, 400, 800, 1,600, 3,200)

Lens

- PENTAX K_{AF} bayonet
- Compatible with PENTAX K_{AF2}⁻, K_{AF}⁻ and K_A⁻ lens mounts.
No support for KAF Power Zoom functions. K mount with restrictions, open aperture metering. M42 and medium format lenses usable with adapters and restrictions

Viewfinder

- Built-in, non-interchangeable Pentamirror finder
- Viewing area 96% with finder magnification of 0.85x
- Bright non-interchangeable "Natural Bright II" focusing screen
- Viewfinder indications below image area
- Dioptre correction –2.5 dpt. – +1.5 dpt.

Monitor

- 2.5" Low-temperature polysilicon TFT Monitor with 210,000 pixels with brightness adjustment and wide viewing angle (approx. 140°)
- Image previewing with image preview switch (depth of field preview button)
Image review after recording:
Single image with Histogram, recording data Hot Spot Warning, 12x enlargement, 9 image Thumbnail view, Slide show, Image rotation

Image Formats

- Photo: RAW, JPEG, (Exif 2.21), DCF

Memory

- SD Card, 2GB maximum (as of June 2006)

Focus

- Autofocus system: TTL Phase Matching with 11 focussing points (SAFOX VIII) 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 1 – EV 21.5
- Electronically controlled vertical-run focal plane shutter
Shutter speeds:
Automatic: 1/4000 – 30 Sec. (stepless)
Manual: 1/4000 – 30 Sec. (in 0.5EV steps) and Bulb
Flash sync: 1/180 Sec.
- Programmed automatic, Aperture and Shutter Priority, Manual, long exposure
- Sport, Night portrait, Flash Off
- Scene Modes: Night scene, Surf & Snow, Text, Sunset, Kids, Pets, Candle light, Museum
- Exposure compensation: ± 2EV (1/3 or 1/2 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 auto-on switching under poor lighting conditions
- Manual on/off selectable
- Preflash for reduction of the "Red Eye" effect
- Flash compensation (±2 EV)
- GN 15.6 at ISO 200
- Hotshoe on camera top for system flash
- High Speed Synchronisation with appropriate PENTAX flash
- Flash coverage for 28mm lens (equivalent in 35mm format)

Power requirements

- 2x CR-V3 Lithium Batteries
- 4x AA Batteries (Lithium, Alkaline, Ni-MH)
- Battery capacity: approx. 730 images*
approx. 630 images (50% with flash)
approx. 700 min. playback
- AC adapter (optionally available)

Connections

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

Recording parameters

- White Balance: Automatic or manual, TTL adjustment over image sensor pre-set:
Daylight, Shade, Cloudy, Tungsten, Neon (W, N, D), Flash, manual balance
- Digital filters: B&W, Sepia, various Colour and Soft filters, Slim Filter
- Drive Modes: Single, Series at 2.8 fps. (in JPEG to 5 sequential images, in RAW 3 sequential images), Auto Bracketing, Self timer with 2 Sec. Delay (mirror up lock) and 12 Sec. delay, IR Remote Control

Special features

- World time for 72 cities in 28 time zones
- Menu languages: German, English, French, Spanish, Italian, Swedish, Dutch, Russian, Korean, Chinese, Japanese
- PENTAX developed opto/mechanical "Shake Reduction" system for improved images under conditions of insufficient light (**K100D** only). Integrated into the camera body for reduced blurring during longer exposure times (Hand-usable exposure range extended by approx. 3 stops. For long exposures a tripod should be used.)
- Camera internal file designations switchable between standard files or date
- Extended exposure functions with eight Scene Mode programs
- Switching possible between digital picture preview on the monitor or optical depth-of-field preview
- 19 individually adaptable camera functions
- Polycarbonate body with stainless steel chassis

Print Functions

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

System requirements

- Integrated USB connector
- PC: Windows 2000/XP Home Edition/XP Professional
CPU: Pentium IV or newer
Memory: minimum 512 MB
Free hard drive space: 250 MB or more
Monitor resolution: 1,024x768 or more
- Mac: OS X 10.2 or higher
CPU: POWER PC G4 or newer
Memory: minimum 512 MB
Free hard drive space: 250 MB or more
Monitor resolution: 1,024x768 or more

Software

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

Additional 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