

PENTAX Digital Cameras

K100D Super

K100D Super Code No.	19156
Barcode	0027075133020



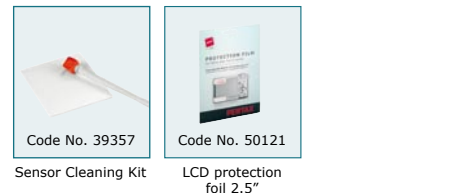
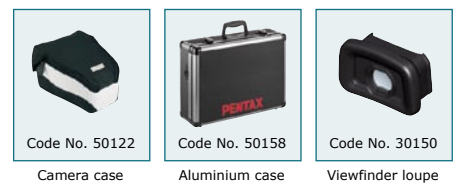
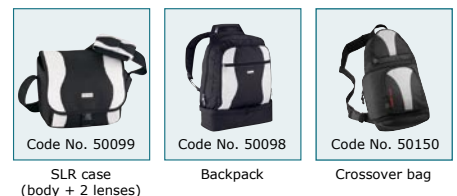
What you really need for rough everyday life: robustness, speed, reliability and compactness.

- > Along with high resolution and low noise a high ISO sensitivity is needed for optimal photos. The K100D Super is equipped with a 23.5x15.7mm CCD colour sensor with a resolution of 6.1 megapixels that is capable of delivering 17x26cm pictures without loss of quality. Higher resolutions are often not necessary as 6.1 megapixels covers the business of everyday photography with sufficient performance for making cropped enlargements.
- > Camera-integrated and non lens-dependent opto-electronic "Shake Reduction" system for reducing image blur.
- > "Dust Removal" system. Nanotech based fluorine sealing low pass filter prevents dust from adhering combined with a vibration function to remove remaining particles. Adhesive strip for collecting dust.
- > Setting it apart from the K100D, the K100D Super is designed for use with SDM lenses (ultrasonic AF).
- > Strong polycarbonate body with stainless steel chassis.
- > 14 automatic exposure functions are accessible through the various Picture and Scene Modes – offering the shooting convenience found with advanced compact cameras.

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-SW74	

Delivered without lens

Optional accessories



Packaging datan

Dimensions: 203x147x112mm

Weight: 920g

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TECHNICAL DATA

CCD

- 6.31 Megapixel – total
6.1 Megapixel – effective
23.5x15.7mm Interline-Interlace CCD with Primary Colour Filter
- Resolution: RAW: 6MP 3,008x2,008
JPEG: 6MP 3,008x2,000, 4MP 2,400x1,600,
1.5 MP 1,536x1,024
- 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_{AF2} bayonet
- Compatible with PENTAX K_{AF2}-, K_{AF}- and K_A- lens mounts.
No support for K_{AF} 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, SDHC Card, maximum 2GB (as of June 2007)

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 – 30sec. (stepless)
Manual: 1/4000 – 30sec. (in 0.5EV steps) and Bulb
Flash sync: 1/180sec.
- 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 2.8fps. (in JPEG to 5 sequential
images, in RAW 3 sequential images), Auto Bracketing, Self timer
with 2sec. Delay (mirror up lock) and 12sec. 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.
Integrated into the camera body for reduced blurring during lon-
ger exposure times (Hand-usable exposure range extended by
approx. 3 stops. 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
- Ready for use with supersonic motor AF lenses
- 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 98SE, ME, Windows 2000/XP Home Edition/
XP Professional, Windows Vista
CPU: Pentium IV 500MHz or newer
Memory: minimum 512MB
Free hard drive space: 250MB or more
- Mac: OS X 10.2 or higher with QuickTime 6.0
CPU: POWER PC G4 or newer minimum 266MHz
Power Macintosh G5, Intel Core is recommended
Memory: minimum 512MB
Free hard drive space: 512MB or more

Software

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

Differences with K100D:

- Compatible with SDM lenses
- "Dust Removal" system

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

As of June 2007