



Informasjon

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PENTAX Introduces the K100D Super: A New Standard-Class Digital SLR Camera Featuring an Original Dust Removal System for Spotless, Effortless Photography

PENTAX Corporation is pleased to announce the release of the PENTAX K100D Super. This new standard-class digital SLR camera combines the acclaimed Shake Reduction (SR) system with an innovative Dust Removal (DR) system to assure optimum image quality.

The K100D Super is developed based on the PENTAX K100D lens-interchangeable digital SLR camera, first announced in May 2006 and well received by many users around the world. It incorporates the PENTAX-developed Dust Removal (DR) system, previously available only in the middle class model, to prevent adhesion of dust to the CCD surface and assure spotless images.

It also offers an array of advanced technologies, user-friendly features, and an easy-to-hold and easy-to-use design. By combining 6.1 effective megapixels, the K100D Super is designed to assure high-quality digital SLR photography to users of all levels from SLR beginners to experienced hobbyists –with minimum effort.



Main Features:

1. PENTAX original Shake Reduction mechanism for sharp, blur-free images

The K100D Super is equipped with the PENTAX-developed Shake Reduction (SR) system, which effectively reduces camera shake for sharp, blur-free images even under such demanding shooting conditions as when using a telephoto lens, shooting in the dark or at night without supplementary flash illumination, or using extended exposures for sunset and night scenes. Using magnetic force, this SLR system shifts the camera's image sensor vertically and horizontally at the optimum speed to compensate for the amount of camera shake detected, assuring outstanding compensation effects (equivalent to approximately 2 to 3.5 shutter steps). Since this versatile system is compatible with all existing PENTAX interchangeable lenses, * it does not require special anti-shake lenses equipped with add-on optics or devices.

**Compatible with K-, KA-, KAF-, KAF2-mount lenses without an adapter, and screw-mount, 645-system and 67-system lenses with an adaptor. Available functions may be limited with certain lenses.*

2. Dust Removal system to keep dust off the CCD surface

The K100D Super features the PENTAX-developed Dust Removal (DR) system to prevent dust from sticking to the surface of the CCD image sensor (or low-pass filter). Applied to the CCD surface through a vapor deposition process of a fluorine compound, the PENTAX-original Super Protect (SP) coating effectively removes dust and stains from the surface. In the next step, dust that still remains on the surface will be shaken off when the SR system shifts the CCD at high speed. The dust that is shaken off the CCD will fall onto an adhesive sheet positioned at the bottom of the SR unit, eliminating any possibility of its returning to the CCD surface.

3. Auto sensitivity control up to 3200 standard output sensitivity

The K100D Super features an auto sensitivity control function, which automatically sets the optimum standard output sensitivity — up to 3200, which is the highest automatic setting in its class — based on such data as the subject's brightness level and the lens' focal length. Since this function allows the use of higher shutter speeds in poor lighting situations (such as indoor sports events and night scenes), it helps the photographer to effectively reduce camera shake and prevent blurred images. The user can preprogram a desired level, from ISO 200 to the super-high sensitivity of the ISO 3200.

4. Auto Picture Mode for effortless point-and-shoot SLR photography

The PENTAX-original Auto Picture mode automatically and instantly selects one of five Picture modes (including Portrait, Landscape, and Macro) to create the most appropriate visual effect for a given subject. Since the camera sets all primary parameters (including shutter speed, aperture, white balance, saturation, contrast and sharpness), the photographer can concentrate on picture composition and shutter opportunity.

5. 11-point wide-frame AF to capture off-center subjects in crisp focus

The K100D Super's sophisticated SAFOX VIII auto focus system features 11 sensor points (with nine cross-type sensors in the middle) to automatically focus on the subject with utmost precision, even when it is positioned off center. The in-focus sensor point is automatically superimposed in red in the viewfinder for at-a-glance confirmation.

6. Large LCD monitor to facilitate image viewing and menu setting

The K100D Super features a large 2.5-inch color LCD monitor on its back panel. Its wide-view design allows the photographer to check the monitor image over 140 degrees vertically and horizontally, ensuring effortless image viewing even from a diagonal position. It provides 210,000 pixels for high-resolution image viewing, with a zoom display function that lets user magnify and image up to 12 times for easy confirmation of the focusing status and the subject's expressions. The large monitor size allows for large letters, digits and icons on the menu screens to facilitate menu confirmation and camera operations.

7. Bright, clear viewfinder

The K100D Super features a lightweight penta mirror viewfinder, which combines PENTAX-original finder optics with a Natural-Bright-Matte II focusing screen to deliver a bright, clear subject image with a 0.85-times magnification and a 96-percent field of view.

8. True-to-life, rich-gradation images assured by 6.1 effective mega pixels

The K100D features a large, high-performance 23.5mm x 15.7mm CCD as its image sensor, assuring the faithful reproduction of the desired photographic

intention in the resulting images — from images with beautiful out-of-focus backgrounds to those with edge-to-edge sharpness. By combining 6.1 effective mega pixels with a high-performance imaging engine and advanced image-processing technologies, the K100D is designed to produce beautiful, true-to-life images that are rich in gradation. What's more, it offers a choice of two finishing touches of "Natural" or "Bright" to create a distinctive atmosphere.

9. Compatibility with high-quality, high –capacity SDHC memory card

The K100D Super accepts not only the conventional SD memory card as its storage media, but also the newly standardized SDHC card, ** which allows the user to store a great number of large data files, such as RAW-format images.

*** SD High Capacity card, with a storage capacity exceeding 2 GB*

10. Compatibility with SDM system for smoother, quieter auto focusing operation

The K100D Super's camera body is compatible with a new SDM system, which assures smoother, quieter auto focusing operation using a built in supersonic motor. When the lens equipped with SDM system is mounted on the PENTAX K100D Super camera body, the focus mode is automatically switched to SDM-assisted auto focusing.

11. Compact, lightweight body with optimum holding comfort

The K100D Super has been designed to be compact and lightweight for easy carrying and enhanced maneuverability. It also offers an easy-to-hold grip to assure a stable shooting position.

12. Other features

- ◆ 19 custom functions to personalize camera operations
 - ◆ Consecutive shooting of up to five frames at the speed of approximately 2.8 frames per second (at BEST image quality in JPEG format)
 - ◆ Eight distinctive Scene modes to accommodate specific subjects/applications
 - ◆ Choice of two preview functions (digital/optical)
 - ◆ Choice of 16-segment multi-pattern metering, center-weighted metering and spot metering to accommodate various photographic applications
 - ◆ Noise reduction mechanism to reduce digital noise during extended exposures
 - ◆ Dual power source (two CR-V3 lithium batteries, or four AA-size batteries)
 - ◆ USB 2.0 (HI-SPEED) compatibility for speedy data transfer to PC
 - ◆ Five digital filters (Black-and-white, Sepia, Slim, Soft and Brightness) for easy editing of recorded images
 - ◆ PENTAX PHOTO Laboratory 3 RAW data and image processing software and PENTAX PHOTO Browser 3 image browser software included on the accompanying CD-ROM
 - ◆ Compatibility with PictBridge, DPOF, Exif Print and PRINT Image Matching III formats
- *SDHC Logo is a trademark*
 - *PENTAX and SDM are trademarks of PENTAX Corporation*
 - *PENTAX PHOTO Browser and PENTAX PHOTO Laboratory are trademarks of PENTAX Corporation*
 - *All other brands or product names are trademarks or registered trademarks of their respective companies.*
 - *Design and Specifications are subject to change without notice*

Leveringstid; august 2007

Prisantydning: 5 500,- (kamerahus inkl. mva)

K100D Super Specifications

Type	TTL autofocus, auto-exposure digital SLR digital-still camera with built-in retractable P-TTL auto pop-up flash	
Effective Pixels	6.1 megapixels	
Sensor	Total pixels	6.31 megapixels Infinite interface C C D with a primary color filter 23.5mm x 15.7mm 8 bit (JPEG) or 12 bit (RAW)
Color Depth	8 bit (JPEG) or 12 bit (RAW)	
Recorded Pixels	JPEG: [6M] 3008 x 2000 pixels, [4M] 2400 x 1600 pixels, [1.5M] 1536 x 1024 pixels RAW: [6M] 3008 x 2008 pixels	
Sensitivity	Auto, Manual (200/400/800/1600/3200-Standard Output Sensitivity)	
Recording Formats	RAW, JPEG (Exif 2.21), DCF (Design rule of Camera File system), DPOF (Digital Print Order Form), PRINT Image Matching III	
Image Formats	Compressed: JPEG - Baseline (***: Best, **: Better, *: Good)	
Storage Media	Non-compressed: RAW SD memory card, SDHC memory card	
White Balance	Auto, Daylight, Shade, Cloudy, Tungsten Light, Fluorescent Light (W, D, N), Flash, Manual setting	
Viewfinder	Type Focusing screen Field of view Magnification Dioptr adjustment	Fixed molded penta-mirror type Natural-Bright-Matte II focusing screen 96 % 0.85X (with 50mm F1.4 lens, infinity, -1m ⁻¹) -2.5 - +1.5m ⁻¹
LCD Monitor	2.5 inch, low-temperature polysilicon TFT color LCD monitor (Approx. 210,000 pixels), brightness adjustable, Wide angle view	
Preview Method	Digital preview - Finder preview	
Playback	Digital Filter	One Shot, Index (9 thumb nails), Enlargement (up to 12X, scroll available), Image Rotation, Slideshow, Histogram, Bright Portion B&W, Sepia, Color (18 type), Soft (three-level amount adjustable), Slim (+/- 8 level amount adjustable), Brightness (at playback mode)
Focusing System	Type Mode	TTL Phase-matching 11-point wide autofocus system (SAFOX VIII) AF-single (with focus lock); Manual focus AF-continuous available* * Auto Picture and Picture mode : only when the Action mode is selected. * Scene mode : only when the Kids and Pet mode is selected.
Exposure Control	Metering System Metering Mode Metering Range Modes	TTL open-aperture 16-segment metering (coupled with lens and AF information) (1) Multi-segment metering (2) Center-weighted metering (3) Spot metering EV 1 - 21.5 (at Standard Output Sensitivity 200 with 50mm F1.4 lens) (1) Auto Picture mode (2) Picture mode (3) Scene mode (4) Program AE (5) Shutter-Priority AE (6) Aperture-Priority AE (7) Metered Manual (8) Bulb Portrait, Landscape, Macro, Action, Night scene portrait, Standard Flash-Off Night Scene, Surf & Snow, Text, Sunset, Kids, Pet, Candlelight, Museum ±2 EV (1/2EV steps or 1/3EV steps)
	Focus Point AF assist lamp	Auto, Select, Center available (by Built-in Flash)
	Exposure Compensation Auto-bracketing AE Lock	3 frames within range of ±0.5EV, ±1.0EV, ±1.5EV (0.5EV steps) or ±0.3EV, ±0.7EV, ±1.0EV (0.3EV steps) available
Shutter	Type Speed	Electronically controlled vertical-run focal plane shutter 1/4000 - 30 sec. and bulb
Drive Modes	Continuous shooting	Single-frame advance, continuous advance, self-timer, auto bracket and remote control about 2.8fps, sequence 5frame (JPEG) 3frame (RAW)
Built-in Flash	Type Guide number Angle of view coverage Flash Exposure Compensation	Built-in retractable P-TTL auto pop-up flash 15.6 (Standard Output Sensitivity 200mm) 28mm wide-angle (equivalent to 35mm) ±2 EV (1/2EV steps) Hot shoe, sync-speed: 1/180 sec., P-TTL, high-speed-sync, wireless-sync with PENTAX dedicated flash
Flash Synchronization		
Shake Reduction	Type	Image sensor shift mechanism
Dust Removal	Type	Image sensor moving mechanism and SP coating
Time	World Time	70 cities (28 time zones)
Data Folder	Folder Name	Standard (100PENTX, 101PENTX...), Date (100_MMDD...)
Power Sources	Four AA (lithium, alkaline, and rechargeable Ni-MH) batteries, two CR-V3 lithium batteries. Optional AC adapter also available.	
Battery Life	Number of recordable images Playback time	approx. 730 (Normal Recording), 630 (50% use Flash) approx. 700 minutes
Input/Output terminals	USB/Video, DC input, Cable switch	
Interfaces	USB 2.0 (Hi-SPEED)	
Video Output	Compatible with NTSC and PAL formats	
PictBridge	Printer Modes Paper Size Paper Type Paper Quality Border	PictBridge* supported Single image, All images, DPOF, Paper Size, Paper Type, Paper Quality, Border Card, L, 2L, Post Card, 100x150, 4"x6", 8"x10", Letter, 11"x17", A4, A3, Printer Setting ***, **, *, Printer Setting ***, **, *, Printer Setting With, Without, Printer Setting
Lens Mount	PENTAX K _{af} 2 bayonet mount PENTAX K _{af} 2-, K _{af} -, and K _{af} -mount lenses. * Power zoom function not available. K-mount lenses usable with restrictions. S-mount lenses, 67/645 lenses usable with adapter and with restrictions.	
Usable Lens		
Dimensions	128.5(W) x 92.5(H) x 70(D)mm (5.1 x 3.6 x 2.8 inches)	
Weight	570g (20.1 oz.) without battery and SD memory card 645g (22.8oz.) loaded and ready with two CR-V3 lithium batteries and SD memory card 665g (23.5oz.) loaded and ready with four AA batteries and SD memory card	
Included accessories	USB cable I-USB17, Video cable I-VIC28, Strap O-ST53, ME Viewfinder cap, AA alkaline battery 4pcs., CD-ROM S-SW53 Eyecup FO, Hot shoe cover FK	
Bundle software	PENTAX PHOTO Browser 3, PENTAX PHOTO Laboratory 3	
Language	English, French, German, Spanish, Swedish, Netherlandish, Italian, Russian, Korean, Chinese (Traditional/Simplified), Japanese	
More Information		
Viewfinder Indication	(1) AF frame; (2) Spot AF frame; (3) Focus point indication (high lighted in red)	
Viewfinder LCD Indication	(1) Flash information; (2) Picture mode (Standard, Portrait, Landscape, Macro, Action, Night scene portrait); (3) AF C (AF-continuous) (4) Shutter speed; (5) Aperture value; (6) Exposure compensation factor; (7) SCN (Scene); (8) Manual focus; (9) Sensitivity warning; (10) Auto exposure lock signal; (11) Exposure frame number (12) Shake Reduction information	
Mode Dial Indication	(1) Auto Picture mode; (2) Portrait mode; (3) Landscape mode; (4) Macro mode (5) Action mode (6) Night scene portrait mode; (7) Standard Flash-Off mode; (8) Scene mode(SCN); (9) Program AE; (10) Shutter-Priority AE; (11) Aperture-Priority AE; (12) Metered Manual; (13) Bulb	
External LCD Panel Indication	(1) Shutter speed; (2) Aperture value; (3) Flash Information (Auto, Flash-On, Flash-Off, Red-eye reduction); (4) Single frame advance/Continuous advance; (5) Self-timer; (6) Remote control; (7) Metering Information; (8) Focus point indicator; (9) Auto bracketing; (10) White balance information; (11) Battery information; (12) Exposure compensation factor; (13) Exposure frame number	
Self-timer	Electronically controlled type with two-second or 12-second delay. Cancellation possible.	
Custom Function	19 custom-programmable functions available	
System requirement		
Windows	USB	Windows 2000, Windows XP, Windows Vista™ was pre-installed The computer should be equipped with built-in USB ports
	Application software	< PENTAX PHOTO Browser 3 / PENTAX PHOTO Laboratory 3 > OS : Windows 2000, Windows XP, Windows Vista CPU : Pentium 4 or later (Recommend to Pentium 4 2.0GHz or later) Memory : 512MB or more (Recommend to 1.0GB or more) Monitor : 1024x768 or over (Recommend to 1280x1024 or ove) with 24bit full colour Free HDD space : 250MB or more (Recommend to 500MB or more)
Macintosh	USB	Mac OS X 10.2 or later was pre-installed at Macintosh PC The computer should be equipped with built-in USB ports
	Application software	< PENTAX PHOTO Browser 3 / PENTAX PHOTO Laboratory 3 > OS : Mac OS X 10.2 or later CPU : PowerPC G4 or later (Recommend to Intel CORE, PowerPC G5, Universal Binan) Memory : 512MB or over (Recommend to 1.0GB or ove) Monitor : 1024x768 or over (Recommend to 1280x1024 or ove) with 24bit full colour Free HDD space : 250MB or more (Recommend to 500MB or more)

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Storage capacity

Recorded Pixels Quality Level	RAW			JPEG											
	3008 x 2008	3008 x 2000	2400 x 1600	1536 x 1024	1536 x 1024	1536 x 1024	1536 x 1024	1536 x 1024	1536 x 1024	1536 x 1024	1536 x 1024	1536 x 1024	1536 x 1024		
	★★★	★★	★	★★★	★★	★	★★★	★★	★	★★★	★★	★	★★★	★★	★
128MB	34	70	117	51	96	161	106	173	271						
256MB	78	149	242	111	201	330	220	354	549						
512MB	167	311	498	234	415	674	453	722	1115						
1GB	330	607	966	459	807	1397	880	1397	2151						
2GB	682	1237	1975	938	1654	2665	1800	2787	4384						
4GB	1348	2455	3886	1849	3254	5240	3542	5479	8614						