



ADVANTAGES

Exceptional image and video quality

- **16 MP CMOS APS-C** for fully detailed images
- **In-body Shake Reduction System** for sharp images whatever the lens used.
- **Full HD Video** (codec H.264) for high quality video clips.
- Sensitivity up to **ISO 51200** thanks to its noise treatment by the CMOS sensor.

Fast and precise

- Continuous shooting **6 frames/sec.** for catching action shots.
- Shutter Speed up to **1/6000 sec** to freeze movement in an image.
- **New SAFOX IXi+** for a faster and more accurate AF.

Ease to use

- **3" 920 000 pts LCD** screen with 170° extra-wide viewing.
- **100% Pentaprism viewfinder**
- **Dual e-dial** for an easy access to different settings.
- **Dual power** Lithium-ion or AA battery.



K-500

	Art.	Code EAN
NOIR		
K-50 Black + DAL 18-55	15506	0027075261150
K-50 Black + DAL 18-55 +DAL 50-200	15516	0027075261259
Dimensions	129.0×96.5×70.0 mm	
Poids	590g	

OPTIONAL ACCESSORIES

	
Battery D-LI109	AA holder D-BH109
	
Weatherproof O-RC1	SLR bag

Code Art.

Battery lithium-Ion D-LI109	39067
Battery charger K-BC109	39032
USB Cable I-USB7	39551
AC adapter K-AC128E	38822
DC Coupler D-DC128	38943
Batteries AA Holder D-BH109	39100
Weatherproof remote control O-RC1	39892
Remote control CS-205	37248
Matte focusing screen MF-60 AF square	38578
Matte focusing screen ML-60 divided	38579
Matte focusing screen MI-60 AF scaled	38580
SLR bag	50099

SUPPLIED ACCESSORIES

Battery lithium-Ion D-LI109
 Battery charger K-BC109
 Cable USB I-USB7
 Strap O-ST132
 Software CD-ROM S-SW133
 Viewfinder cover
 Hot-shoe cover
 Body mount cover

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K-500

DESCRIPTION

Type	Digital-still SLR camera, chassis made of highly rigid stainless steel.
Lens mount	PENTAX KAF2 bayonet mount
Compatible lenses	KAF3, KAF2 (power zoom not compatible), KAF, KA mount lenses

SENSOR

Sensor type	23.7 x 15.7mm CMOS, with primary color filter
Image Processor	PRIME M
Number of pixels	Approx. 16.28 megapixels (effective), approx. 16.49MP (total)
Stabilization	Sensor shift Shake Reduction
Dust Removal	SP coating and CMOS sensor operations
Sensitivity Range	AUTO/100 to 51200 (EV steps 1EV, 1/2EV, or 1/3EV)

FILE FORMATS

Image formats	RAW (DNG), JPEG (Exif 2.3), DCF2.0 compliant
Image sizes	JPEG 16M(4928x3264), 12M(4224x2816), 8M(3456x2304), 5M(2688x1792) RAW 16M(4928x3264) RAW (12bit): DNG, JPEG: Best, Better, Good RAW and JPEG simultaneously recordable
Color space	sRGB, Adobe RGB
Support	SD, SDHC, and SDXC Memory Card (Eye-Fi card compatible)

LCD SCREEN

Type	TFT color LCD monitor, 3" (7.6cm), wide angle viewing, Approx. 921k dots, brightness and colors adjustable
Field of view	Approx. 100%
Live view	Focusing mechanism: Contrast detection + Face detection, tracking, select, spot. Field of View: approx. 100%, Magnified view (2x, 4x, 6x), Grid display (4x4 Grid, Golden Section, Scale display), Bright/dark area warning, Histogram.

VIEWFINDER

Type	Pentaprism finder
Coverage	Approx. 100%
Magnification	Approx. 0.92x (50mm F1.4 at infinity)
Eye-relief Length	Approx. 21.7mm (from the view window), Approx 24.5mm (from the center of lens)
Dioptr Adjustment	Approx. -2.5m to + 1.5m-1
Focusing Screen	Interchangeable Natural-Bright-Matte III focusing screen

AUTOFOCUS SYSTEM

Focus Type	SAFOX IXI+, TTL: phase-matching autofocus
Focus Sensor	11 point (9 cross type focus points in the center)
Brightness Range	EV -1 to 18 (ISO100)
AF Mode	Auto AF (AF.A), Single AF (AF.S), Continuous AF (AF.C) Focus priority or shutter priority mode for AF.S Focus priority or FPS priority mode for AF.C Auto: 5 points, Auto: 11 points, Select (Expanded Area AF available), Spot Dedicated LED AF assist light

METERING

Type	TTL open aperture, 77 segmented metering, center-weighted and spot metering
Exposure Compensation	EVO to 22 (ISO100 at 50mm F1.4)
Exposure modes	Program, Sensitivity Priority, Shutter Priority, Aperture Priority, Shutter & Aperture Priority, Manual, Bulb Auto Picture mode* (JPEG only): auto. selects from Standard, Portrait, Landscape, Macro, Moving Object, Night Scene Portrait, Night Scene, Blue Sky, Forest Scene Mode: Portrait, Landscape, Macro, Moving Object, Night Scene Portrait, Sunset, Blue Sky, Forest, Night Scene, Night Scene HDR*, Night Snap, Food, Pet, Kids, Surf & Snow, Backlight Silhouette, Candlelight, Stage Lighting, Museum
EV Compensation	± 5EV (1/2EV step or 1/3EV can be selected)
AE Lock	Can be assigned to the AF/AE-L button from the menu.
Shutter	Electronically controlled vertical-run focal plan shutter Auto: 1/6000 to 30sec., Manual: 1/6000 to 30 sec. (1/3EV or 1/2EV step), Bulb.

SYSTEM REQUIREMENTS

Operating systems	PC: Windows XP (SP3), Vista, 7, 8 Mac: 10.5 or above
Supplied software	Software SILKYPIX Developer Studio 3.0 for PENTAX

DIMENSIONS & WEIGHT

Dimensions	Approx. 129.0(W) × 96.5 (H) × 70.0mm (D) (excluding operation parts and protrusion)
Weight	Approx. 590g body only Approx. 650g (loaded and ready with dedicated batt. and SD card)

TECHNICAL SPECIFICATIONS

FLASH

Built-in Flash	Built-in retractable P-TTL auto pop-up flash Guide number: approx. 12 (ISO 100/m) Angle of view: coverage: wide angle-lens, equ. to 28mm in 35mm format
Flash Modes	P-TTL, Red-eye Reduction, Slow-speed Sync, Trailing Curtain Sync. High-Speed Sync and Wireless Sync are also available with PENTAX dedicated external flash.
Sync Speed	1/180 sec.
Flash Exp. Compensation	−2.0 to +1.0 EV

POWER SUPPLY

Battery	Rechargeable batt. Lithium-ion D-Li109
Battery capacity*	With battery D-Li109 : approx. 410 pictures (50% w/flash), 480 im. without flash, 270 min. in playback mode With batteries AA: approx. 710 images (50% w/flash), 1250 im. without flash, 560 min. in playback mode
Others	Optional AA batteries holder (4 x AA batteries lithium, Ni-MH rechargeable or alkaline can be used) and AC adapter K-AC128E

INTERFACES

USB	2.0 high-speed compatible, connection MSC/PTP
Video Output	output terminal, output format NTSC/PAL

CAPTURE FUNCTIONS

Drive modes	Single frame, Continuous (Hi, Lo), Self-timer (12sec., 2sec.), Remote Control (0 sec., 3 sec.), Auto Bracketing (3 frames) Approx. 6 fps, JPEG (Cont. Hi), Approx. 3 fps JPEG (Cont. Lo) Preset (daylight, Shade, Cloudy, Fluo. Light (D: Daylight Color, N:Daylight White, W: Cool White, L: Warm White), Tungsten, Flash, CTE, Manual, Color), Fine adjustment (±7 steps on A-B axis or G-M axis), auto (combination CMOS image sensor and light source detection sensor), manual (configuration using the display screen, up to 3 settings can be saved), Color Temperature settings, Copying the white balance setting of a captured image
Continuous shooting	20 items
White balance	12 items Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Bleach Bypass, Reversal Film, Monochrome, Cross Processing Slow Shutter Speed NR, High-ISO NR Highlight Correction, Shadow Correction Distortion Correction, Lateral Chromatic Aberration Correction Extract Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Color Auto, HDR 1, HDR 2, HDR 3, Auto. composition correction Exposure Bracket Value: ±1EV, ±2EV, ±3EV Number of shots: 2-9, Exposure adjusted automatically. Shooting interval: 3 sec. to 24 hr., Number of shots: up to 999 images, Start Interval setting: immediately, from the set time
Custom Functions	
Mode Memory	
Custom Image	
Noise Reduction	
Dynamic Range Setting	
Lens Correction	
Digital Filter	
HDR Capture	
Multi-exposure	
Interval Shooting	

MOVIE

File format	MPEG-4 AVC / H.264, record time: Up to 25 minutes**
Recorded pixels	Full HD (1920x1080p, 16:9, 30/ 25/24fps), HD (1280x720p, 16:9, 60/50/30/25/24 fps), VGA (640x480, 4:3, 30/25/24 fps) Best, Better, Good Built-in monaural microphone, Recording Sound Level Custom Image (Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Bleach Bypass, Reversal Film, Monochrome, Cross Processing), Digital Filter (Extract Color, Toy Camera, Retro, High Contrast, Invert Color, Color) Rec. interval: 3, 5, 10 or 30 sec., 1, 5, 10 or 30 min., 1 hr. Rec. time: 4 sec. to 99 hr., Start Interval setting: immediately, from the set time. *The File format is Motion JPEG(AVI). Divide or delete select.frames, Capt. JPEG still picture from a movie
Quality levels	
Sound	
Movie processing	
Interval Movie	
Movie Editing	

OTHER FEATURES

World time	75 cities, 28 time zones
Folder names	Date (100_1018, 100_1019...)/PENTX (100PENTX, 101PENTX...)
Language	English, French, German, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Korean, Trad. and simplified Chinese, and Japanese
User mode	Up to 2 settings can be saved.
Button/ Dial custom.	RAW/Fx Button (One Push File Format, Exp. Bracketing, Optical preview, Digital Preview, Compos. Adjustment, Select AF Point) AF/AE-L button (Enable AF1, AF2, Cancel AF, AE Lock)
Playback View	Single frame, Multi-image display (4/9/16/36/81 seg.), Display magnif. (up to 16x, scrolling&quick magn.), rotating, histogram, bright/dark area warning, copyright display, calendar film strip, folder display, display, slideshow, Eye-Fi transfer
Delete	Single image, all, select&delete, folder, instant review image
Digital Filters (Playback)	Monochrome, Extract Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Color, Tone Expansion, Sketch Filter, Water Color, Pastel, Posterization, Miniature, Soft, Starburst, Fish-eye, Slim, Base Parameter Adjustment
RAW Development	File Format (JPEG), Image Capture Settings, Lens Correction (Distortion, Lateral Chromatic Aberration), Custom Image, White Balance, Sensitivity, High-ISO NR, Shadow Correction
Edit (playback)	Resize, Cropping, Index, Movie editing, capturing a JPEG from a movie, Saving RAW file data in the buffer memory
Other	Copyright information.

* Using a new lithium-ion battery under the temperature at 23 °C, Tested in compliance with CIPA standard.
Actual results may vary depending on the shooting conditions/circumstances.
* Using 4x new Energizer Ultimate Lithium Batteries under the temperature at 23 °C, Tested in compliance with CIPA standard. Actual results may vary depending on the shooting conditions/circumstances.
** automatically stops recording if the internal temperature of the camera becomes high.