

# PENTAX



## ADVANTAGES

### Weather resistant body

- ◆ **77 protection seals** for a complete protection of the electronic circuits against splashing water, snow, dust and sand.

### Exceptional image and video quality

- ◆ **16,3 MP CMOS APS-C** for fully detailed images
- ◆ **In-body Shake Reduction System** for sharp images whatever the lens used.
- ◆ **Full HD Video** for high quality video clips.
- ◆ Sensitivity up to **ISO 51 200** thanks to its noise treatment by the CMOS sensor.

### Fast and precise

- ◆ **New highly-sensitive SAFOX X AF module** for exceptional AF accuracy and performance.
- ◆ **Select-area expansion function** for automatic subject tracking
- ◆ Continuous shooting **7 frames/sec.** for catching action shots.
- ◆ Shutter Speed up to **1/8000 sec** to freeze movement in an image.

### Ease to use

- ◆ **3" 921 000 pts air-gap-free LCD monitor** for a better readability. Protection against scratches and abrasions.
- ◆ **100% Pentaprism viewfinder**
- ◆ **Dual e-dial** for an easy access to different settings.



# K-5 II

K-5 II (with lowpass filter) :

12015 | 0027075220379

K-5 II (with lowpass filter) + 18-55WR :

12026 | 0027075220485

K-5 II (with lowpass filter) + 18-135WR :

12037 | 0027075220591

K-5 II (with lowpass filter) + 18-55WR+50-200WR :

1202600 | 0027075206496

Dimensions

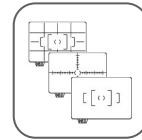
131 x 97 x 72,5mm

Weight (body only)

680g



Battery grip



Focusing screens



Sensor cleaning kit



AF540-FGZ flash



Large K-bag



Magnifying Eye cup



Cable release



WP remote control



AC adapter kit

### OPTIONAL ACCESSORIES

Code Art.

AF160-FC Macro flash	30477
AF540-FGZ flash	30425
Battery grip D-BG4	39846
Matte focusing screen MF-60 AF square	38578
Matte focusing screen ML-60 divided	38579
Matte focusing screen MI-60 AF scaled	38580
Sensor cleaning kit O-ICK1	39357
Neoprene camera case	50222
Large nylon K-bag	50250
Magnifying Eye cup O-ME53 (1.2x)	30150
Cable release CS 205	37248
Waterproof remote control O-RC1	39892
Battery charger kit K-BC90E	39834
AC adapter kit K-AC50E	39363

### SUPPLIED ACCESSORIES

Code Art.

AV cable I-AVC7	39552
USB cable I-USB7	39551
Li-ion battery D-LI90P	39830
Battery charger D-BC90P	39831
AC cable D-C02E	39475
Strap O-ST53	39323
Eye cup FR (already mounted)	30200
Finder cap for ME	31011
Hot shoe cover FK (already mounted)	31040
Body mount cover	31016
Sync socket 2P cap	31042
Bottom of body's cap	30202
Software S-SW132	39758

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# K-5 II

## TECHNICAL SPECIFICATIONS

### TYPE

Type	TTL autofocus, auto-exposure SLR camera with built-in retractable P-TTL auto pop-up flash
Lens mount	PENTAX KAF2 bayonet mount
Compatible lenses	PENTAX KAF3, KAF2 (power zoom not compatible), KAF, K-mount (with restrictions) lenses ; compatible with SDM ultrasonic lenses Compatible with S-mount lenses, 67 / 645 / M-42 lenses (adapters ref 37954, 38455 or 30120 required with restrictions)

### IMAGE SENSOR

Sensor type	23.7 x 15.7mm CMOS, with primary colour filter
Number of pixels	Approx. 16.3 megapixels - effective
Stabilization	Sensor-shift system, up to 3EV
Dust Removal	DR II mechanism and Dust Alert function

### RECORDING AND IMAGE FORMATS

Image formats	RAW 14 bits (PEF, DNG), JPEG (Exif 2.3), DCF 2.0 RAW and JPEG simultaneously recordable
Image sizes	JPEG: 16M (4928x3264), 10M (3936x2624), 6M (3072x2048), 2M (1728x1152 pixels) JPEG: 4 quality levels (★ good, ★★ better, ★★★ best, ★★★★ premium) RAW: 16M (4928x3264)
Colour space	sRGB, Adobe RGB
Support	Compatible with SD and SDHC memory cards

### VIEWFINDER

Type	Penta-prism
Focusing screen	Natural Bright Matte III focusing screen, exchangeable
Coverage	Approx. 100%
Magnification	Approx. 0.92x (w. FA 50mm f/1.4 at infinity)
Eye relief	Approx. 21.7mm from the view window, Approx. 24.5mm from the center of the lens
Diopter adjustment	Approx. -2.5 +1.5m <sup>-1</sup>
Electronic level	Horizontal display

### LCD SCREEN

Type	3" (7.6cm) colour LCD, 921k dots, with AR coating Adjustable brightness and colours, Air-gapless glass Scratch resistant protective glass with AR coating
Angle of view	170° wide-angle viewing, horizontally and vertically
Digital preview	For confirming WB and exposure
Other features	Single image or index view (up to 81 images), Image Comparison, Magnification (up to 32x, scroll and quick magnification available), Rotation, Calendar view, Folder view, Histogram (Y histogram, RGB histogram), Slideshow, Bright/Dark area warning, Resize, Cropping, Copyright and detailed Exif information display
Electronic level	Horizontal and tilt display

### LIVE VIEW

Field of view	Approx. 100%
Enlargement	In AF mode: 2x, 4x, 6x, in Manual mode: 2x, 4x, 6x, 8x, 10x
Autofocus	Contrast detection, Face detection, phase difference detection
Options	Grid pattern, histogram display, bright/dark area warning

### FOCUSING

Type	SAFOX X with TTL phase-matching detection
AF points	11 points (9 cross type in the center) 5-point or 11-point Auto, Select or Center
Focus mode	Auto (AF.A), Single with focus-lock (AF.S), Continuous (AF.C)
LED AF assist lamp	Available

### EXPOSURE CONTROL

Metering system	TTL open-aperture 77-segment metering
Metering mode	Multi-segment, center-weighted or spot metering
Operational range	EV-3 to EV 18 (at Standard ISO 100/at normal temperature)
Exposure modes	Green, Program (P), Sensitivity-Priority (Sv), Shutter-Priority (Tv), Aperture-Priority (Av), Shutter and Aperture Priority (TAv), Metered Manual (M), Bulb, X, User, Video
Exposure compensation	± 5EV (selectable EV steps: 1/3 or 1/2 steps)
Auto Exposure Lock	Available via dedicated AE-L button
Shutter type	Electronically controlled vertical-run focal plane
Shutter speeds	Auto and manual: from 1/8000 to 30 sec (1/3 EV steps or 1/2 EV steps), Bulb
Sensitivity range	ISO Auto: from 100 to 12800, ISO Extended: from 80 to 51200 Bulb mode: up to ISO 1600 1/3, 1/2 or 1EV steps

### SYSTEM REQUIREMENTS

Operating systems	PC: Windows XP SP3, Vista™ and 7 Mac: OS X 10.3.9 or above
Supplied software	PENTAX Digital Camera Utility 4

### FLASH

Built-in flash	Guide Number: approx 13 (ISO 100/m)
Metering system	Auto P-TTL retractable auto pop-up flash
Flash coverage	Wide-angle lens, equivalent to 28mm in 35mm format
Modes	Auto, manual (on/off), red eye reduction, slow-speed sync, rear curtain sync, high-speed sync and wireless sync with PENTAX dedicated external flash
Synchronization	1/180 sec, high speed, P-TTL, wireless
Exposure correction	From -2EV to +1EV (in increments of 1/2 EV)
External flash	Hot-shoe flash, P-TTL flash sync available with dedicated wireless system, with dedicated flash

### POWER SUPPLY

Battery	Rechargeable D-LI90P Lithium-ion battery
Other sources	Optional Battery grip D-BG4 and AC adapter K-AC50E
Capacity	Approx. 740 shots w/50% flash*, approx. 980 shots w/o flash and 440 min in play mode w/ D-LI90

### INTERFACES

Video outputs	mini - HDMI and AV outputs, compatible with NTSC and PAL
USB	USB 2.0 mini-B (Hi-Speed)
Others	DC power input, cable release, X-sync socket, stereo mic. input

### RECORDING PARAMETERS

Drive modes	One shot, Self-timer (2 or 12 sec), Continuous shooting (Hi, Lo), Remote control (0, 3 sec or continuous), Super-Impose (up to 9 pictures), Interval up to 999 pictures, Exposure bracketing (2, 3 or 5 frames, also available with self-timer and remote control), Mirror lock-up (w/ or w/o remote control)
Continuous shooting	Max. approx. 7.0 fps, JPEG (16M: ★★★ at Continuous Hi): up to approx. 30 frames, RAW: up to approx. 20 frames *at ISO100 Max. approx. 1.6 fps, JPEG (16M: ★★★ at Continuous Lo): until SD Memory Card is full, RAW: up to approx. 40 frames
Custom Image	Bright, Natural, Portrait, Landscape, Vibrant, Muted, Reversal Film, Monochrome, Bleach Bypass
White balance	Auto, Daylight, Shade, Cloudy, Fluorescent light (D, N, W, L), Tungsten light, Flash, CTE, Manual (configuration on monitor, colour temperature from 2500 to 10000K, 100K steps)
Fine adjustment	Adjustable ±7 steps on A-B axis or G-M axis
Image processing	Long-exposure Noise Reduction, High-ISO Noise Reduction, D R E (Dynamic Range Enlargement) which provides maximum details in highlights and shadows, Compensation of distortion and lateral chromatic aberration, Cross processing (Shuffle, Preset 1-3, Favorite 1-3), HDR (Auto, standard, Strong 1-3, automatic composition correction function), Multi-exposure (Auto, Standard, Strong 1-3, Automatic composition correction function), Automatic levelling, Composition adjustment (vertical and horizontal range: ±1.5mm), Extended bracketing (White Balance, Saturation, hue, high/low key adjustment, contrast and sharpness bracketing)
Digital filters	Toy Camera, Retro, High-contrast, Extract colour, Soft, Starburst, Fish-eye, Custom

### MOVIE

File format	AVI (Motion JPEG) ; record time: up to 25 min
Recorded pixels	Full HD (1960x1080, 16:9, 25 fps), HD (1280x720, 16:9, 30 or 25 fps, VGA (640x480, 4:3, 30 fps or 25 fps)
Quality levels	★ good, ★★ better, ★★★ best
Sound	Built-in monaural microphone, external microphone input
Movie processing	Custom Image (Bright, Natural, Portrait, Landscape, Vibrant, Muted, Monochrome, Reversal Film, Bleach Bypass), Cross processing (Shuffle, preset 1-3, favorite 1-3), Digital filters (Retro, Toy Camera, High-contrast, Extract Colour, Colour)

### OTHER FEATURES

World time	75 cities, 28 time zones
Folder names	Date (100_MMDD...), PENTX (100PENTX...)
Language	English, French, German, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Korean, Chinese (Traditional/Simpl.), Japanese
Digital Filters (Playback)	Toy Camera, Monochrome, Retro, Colour, High Contrast, Soft, Extract Colour, Star Burst, Sketch, Water Colour, Fish-Eye, Pastel, Slim, Miniature, HDR, Posterization, Base Parameter Adjustment, Custom Filter
Custom buttons	40 custom functions and memory modes, USER mode (up to 5 settings), RAW/Fx button (One push RAW+, Exposure bracketing, Digital preview, Composition adjustment, Electronic level display, GPS), AF button (Enable AF, Cancel AF), Dials specifically to each exposure modes
customizable	
Other	RAW development, Copyright information, AF fine adjustment (+/- 10 steps, uniform or individual adjustment), Resize, Cropping (Aspect alteration, Slant adjustment available), Index, Movie Edit (Segmentation, Partial delete), Frame Crop (JPEG)

### DIMENSIONS AND WEIGHT

Dimensions	131 × 97 × 72.5 mm (WxHxD) excluding protrusions
Weight	680 g body only, 760 g with Li-ion battery and SD card
	* Tested in compliance with CIPA standard. Actual result may vary according to the shooting conditions/circumstances