

# PENTAX® K110D

6.1 MP APS-C size CCD with high-performance imaging engine and advanced image-processing technologies

High-precision SAFOX VIII 11-point auto focus (9 cross-type sensors) system with single and continuous AF

Sensitivity equivalent to ISO 200 to 3200 with an auto mode that takes advantage of the entire range

Mode Dial includes the standard Exposure Modes, Auto Picture Mode, Picture Modes, and now Scene Modes

Large 2.5-inch LCD monitor with 210,000 pixel resolution, wide viewing angle and 12 time zoom

Sophisticated 16-segment multi-pattern metering determines the optimal exposure settings



<u>Description</u>	<u>Product #</u>	<u>UPC</u>	
<b>K110D w/18-55 Lens Kit</b>	<b>19028</b>	<b>027075121454</b>	<b>\$599.95</b>
<b>Included Accessories</b>			
USB Cable I-USB17	39233	027075086180	
Video Cable I-VC28	39262	027075109971	
Strap O-ST53	39323	027075122130	
Hotshoe Cover FK	31040	027075047426	
Eyecup FO	30147	027075122123	
Body Mount Cover	31016	027075006591	
Finder Cap for ME	31011	027075006546	
(4) AA Alkaline Batteries			
Software (CD-ROM) S-SW53			
<b>Optional Accessories</b>			
AC Adapter Kit K-AC10U	39213	027075076709	
Cable Switch CS-205	37248	027075057951	
Camera Case O-CC53	TBA	TBA	
Remote Control F	37377	027075049031	

Body Kit Display Box – 8.0(L) x 5.8(W) x 4.4(H) – 2.0 lbs. Case Pack – QTY 5 – 22.0(L) x 8.5(W) x 6.1(H) – 10.8 lbs. Assembled in Philippines

Lens Kit Display Box – 13.1(L) x 6.1(W) x 4.7(H) – 3.3 lbs. Lens Kit Case Pack – QTY 5 – 24.0(L) x 13.7(W) x 6.6(H) – 17.8 lbs.

Lens Kit List Price: \$900.00 All prices and specifications subject to change

# PENTAX®

# K110D

## K110D Camera

**Type** - Auto-exposure digital SLR still camera with TTL auto focus and built-in retractable P-TTL auto flash

## Effective Pixels

6.1 Megapixels

## Image Capture Device

**Type** - Interline interlace CCD with a primary color filter

**Total Pixels** - 6.31 megapixels

**Color Depth** - 8 bit (JPEG) or 12 bit (RAW) x 3 colors

## Recorded Pixels

JPEG	3008x2008 pixels, 2400x1600 pixels, 1536x1024 pixels
RAW	3008x2008 pixels

## Focus System

**Type** - TTL phase-matching 11-point autofocus system (SAFOX VIII) w/AF assist lamp

**Autofocus Modes** - AF-Single (with focus lock), AF-Continuous, Manual

**Illumination Range** - EV1 - EV19 (At ISO 200 with 50mm f1.4 lens)

**Shake Reduction** - None

## Lens Mount

**Type** - PENTAX KAF mount compatible with PENTAX KAF2, KAF and KA mount lenses

**Power zoom function** - Not available

**K-mount lenses** - usable with restrictions

**S-mount lenses** - usable with adapter and restrictions

**67/645 lenses** - usable with adapter and restrictions

## DA 18-55mm Lens

**Type** - DA series smc PENTAX zoom

**Focal Length** - 18mm - 55mm

**35mm Equivalent** - 27mm - 83mm

**Aperture Range** - F3.5 - F5.6

**Construction** - 12 elements in 9 groups

## Exposure Control

### Light Metering Method

TTL open-aperture metering with choice of: 16-segment, Center-weighted & Spot meter

**Metering Range** - EV1 - EV21.5 (At ISO 200 with 50mm f1.4 lens)

**Sensitivity** - ISO Auto, 200, 400, 800, 1600, 3200

**Exposure Control Method** - Program AE, Auto Picture Mode, Picture Mode, Scene Mode, Shutter Priority, Aperture Priority, Manual, Bulb

**Exposure Compensation** - +/-2 EV (1/2 or 1/3 steps)

**Auto Exposure Lock** - Pushbutton type with approx. 20 sec. timer

**Depth of Field Preview** - Via main switch

**Auto Bracketing** - 3 frames +/-1.5EV (1/2 steps) or +/-1EV (1/3 steps)

### Shutter

**Type** - Electronically controlled vertical-run focal plane shutter

**Shutter Speed** - 1/4000 - 30 seconds and Bulb

### White Balance

White balance control - TTL Auto, Pre-set, Custom white balance

Available Settings - Auto, Daylight, Shade, Cloudy, Tungsten light, Fluorescent light, Flash, Manual

### Flash

Built-in series-control retractable P-TTL pop-up flash

Operation Modes - Auto, Flash-off, Flash-on, Auto + Red-eye reduction,

Flash-on + Red-eye reduction

Guide Number - 15.6 (at ISO 200/m)

Angle of View Coverage - 28mm (equivalent to 35mm)

Flash Exposure Compensation - +1 to -2 (1/2 steps)

Flash Synchronization - With RTF and via hot shoe

Synchronization Speed - 1/180 sec, P-TTL high speed sync with PENTAX dedicated flash

## Shooting Specifications

**Picture Modes** - Mode Dial: Auto Picture, Scene, Standard, Portrait, Night-scene Portrait, Landscape, Macro, Action, Flash Off, Program AE, Shutter Priority AE, Aperture Priority AE, Metered Manual, Bulb - Scene Modes: Night Scene, Surf & Snow, Text, Sunset, Kids, Pet, Candlelight, Museum

### Digital Filter

Black & White, Sepia, Color (18 types), Soft (3 levels), Slim, Brightness

### Drive Modes

Single-shot, Continuous (2.8fps, 5 JPEG, 3 RAW), Self-timer (12sec, 2sec), Auto bracketing, Remote Control (0sec, 3sec)

## Time

**Modes** - dd/mm/yy, mm/dd/yy, yy/mm/dd

**World Time** - Displays the time in 70 cities (28 time zones)

## Image Storage

**Storage Media** - SD memory card removable

### File Formats

Still JPEG (Exif 2.21), RAW, DCF (Design rule for Camera File system), DPOF (Digital Print Order Format), PRINT Image Matching III

**Storage Capacity** - Quality Levels: Best, Better, Good with 128MB Card

JPEG	★★★	★★	★
3008 x 2008	34	70	117
2400 x 1600	51	96	161
1536 x 1024	106	173	271
RAW			
3008 x 2008	11		

## LCD / Viewfinder

**Optical Viewfinder** - Pentamirror with Natural-Bright-Matte II focusing screen

**Viewfinder Coverage** - 96%

**Viewfinder Magnification** - 0.85x (with 50mm f1.4 lens, -1<sup>-1</sup>)

**Diopter Adjustment** - -2.5m<sup>-1</sup> to +1.5m<sup>-1</sup>

**LCD Monitor** - 2.5 inch, TFT color LCD (Low Reflection) -with Histogram display

**LCD Coverage** - 100%

**LCD Resolution** - Approx. 210,000 pixels

**Angle of View** - Approx. 140°

## Playback Specifications

**Playback Modes File** - Single, Index - Nine image

**Magnification** - 12x

**LCD Function** - Image rotation, Slide show, Digital filter, Histogram, Exposure warning

**Erase and Image Protect Modes** - Single, All

## PictBridge

One image print, All image print, DPOF, Paper size, Paper type, Paper quality, Border

## Language

English, French, German, Spanish, Italian, Russian, Chinese, Korean, Japanese, Swedish, Dutch

## Interfaces

**Type** - USB 2.0 high speed

**Video Output** - Compatible with NTSC and PAL formats

## Power Supply

**Power Source** - Four AA (Lithium, Alkaline, and rechargeable NiMH) batteries, or Two CR-V3 lithium batteries, Optional AC adapter also available

**Battery Life** - Approx. 810 recordable images or 700 playback minutes with CR-V3 batteries

## Physical Specifications

**Operating Temperatures** - 32° to 104° Fahrenheit (0° to 40° Celsius)

**Dimensions (W x H x D)** - 5.1 x 3.6 x 2.8 Inches (129.5x 92.5 x 70mm)

**Weight** - 19.8 oz. (560g) without battery and SD memory card  
22.4 oz. (635g) loaded and ready

## Computer System Requirements

**Mac Requirements** - OS: Mac OS 10.2 or later, standard equipped USB port

**PC Requirements** - OS: Windows 2000, XP Home edition / Professional, standard equipped USB port

UPC - 027075121454

Product Code -19028

## K110D Lens Kit Inclusions

K110D Body	Lens Hood PH-RBA 52mm
DA 18-55 Lens	Eyecup FO
Video Cable I-VC28	Finder Cap for ME
USB Cable I-USB17	Body Mount Cover
Strap O-ST53	Software (CD ROM) S-SW53
(4) AA Battery	Operating manual
Hotshoe Cover FK	Serial number card
Lens Cap F 52mm	Service network directory

## Optional Accessories

Cable Switch CS-205	AC Adapter Kit K-AC10U
Camera Case O-CC53	AF360FGZ Flash
Remote Control F	AF540FGZ Flash

**Product numbers and specifications subject to change**