

PENTAX K10D SPECIFICATIONS

K10D Lens Kit

Camera Type - Auto-exposure digital SLR still camera with TTL auto focus, built-in retractable P-TTL auto flash, and CCD shift shake reduction and dust reduction

Effective Pixels

10.2 Megapixels

Image Capture Device

Type - Interline interlace CCD with a primary color filter

Total Pixels - 10.75 megapixels

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

Recorded Pixels

JPEG	10M(3872x2592 pixels), 6M(3008x2000 pixels), 2M(1824x1216 pixels)
RAW	10M(3872x2592 pixels)

Focus System

Type - TTL phase-matching 11-point autofocus system (SAFOX VIII)

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

Illumination Range - **TBD**

Shake Reduction - CCD Image Sensor Shift

Lens Mount

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

Power zoom function - 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, 100, 200, 400, 800, 1600

Exposure Control Method - Green, Program AE, ISO Priority AE, Shutter Priority AE,

Aperture Priority AE, Shutter & Aperture Priority AE, Metered Manual, X-Sync, Bulb

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

Auto Exposure Lock - Available

Depth of Field Preview - Via viewfinder or LCD

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, Fluorescent, 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 and wireless sync with

PENTAX dedicated flash

Shooting Specifications

Digital Filter

Black & White (4 types), Sepia (3 types), Color (18 types), Soft (3 levels), Slim (+/- 8 levels), Brightness (during playback)

Drive Modes

Single-shot, Continuous 3 fps to card capacity (JPEG), 12 frames (RAW), Self-timer (12sec, 2sec), Auto bracketing, Extended bracketing, Remote Control (0sec, 3sec)

Dust Reduction

Type - Image sensor vibration and SP coating

Time

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

World Time - Displays the time in 71 cities (28 time zones)

Image Storage

Storage Media - SD memory card, SDHC memory card

File Formats

Still	JPEG (Exif 2.21), RAW (PEF, DNG), DCF (Design rule for Camera File system), DPOF (Digital Print Order Format), PRINT Image Matching III
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Storage Capacity - Quality Levels: Best, Better, Good with 1GB Card

JPEG	★★★	★★	★
10M (3872 x 2592)	TBD	TBD	TBD
6M (3008 x 2000)	TBD	TBD	TBD
2M (1824 x 1216)	TBD	TBD	TBD
RAW			
10M (3872 x 2592)	TBD		

LCD / Viewfinder

Optical Viewfinder - Pentaprism with Natural-Bright-Matte II focusing screen

Viewfinder Coverage - 95%

Viewfinder Magnification - 0.95x (with 50mm f1.4 lens, -1⁻¹)

Diopter Adjustment - -2.5m⁻¹ to +1.5m⁻¹

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 - 20x

LCD Function - Image rotation, Folder view, 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 (Traditional/Simplified), Korean, Japanese, Swedish, Dutch, Portuguese

Interfaces

Type - USB 2.0 high speed

Video Output - Compatible with NTSC and PAL formats

Power Supply

Power Source - Rechargeable D-LI50 Lithium-ion battery, Optional AC adapter

Physical Specifications

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

Dimensions (W x H x D) - 5.6 x 4.0 x 2.7 Inches (141.5x 101 x 67.5mm)

Weight - 25.0 oz. (710g) without battery and SD memory card

27.9 oz. (790g) 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