

# PENTAX digital cameras

## K10D

K10D Code No.	19095
Barcode	0027075121539



What counts are the results:  
Make perfection your passion.

- > 23.5x15.7mm CCD colour sensor with 10.2 Megapixel.  
Files saveable as PENTAX RAW, DNG RAW or JPEG.  
Simultaneous recording of RAW and JPEG possible.
- > Camera integrated and lens-independent opto/mechanical "Shake Reduction" system for blur-free images – adds up to 4 stops of hand-holdable shooting.
- > "Dust Removal" system. Nanotech based fluorine sealing low pass filter prevents dust from adhering combined with a vibration function to remove remaining particles.  
Adhesive strip for collecting dust.
- > SAFOX VIII Autofocus system, compatible with supersonic drive lenses.
- > PRIME (Pentax Real Image Engine) in connection with 22 bits analogue/digital converter and a DDR2 for high-speed photography. 3 fps consecutive shooting for unlimited JPEGs or 9 RAW files. Parallel RAW and JPEG store are possible.
- > Fibre-reinforced polycarbonate body with stainless steel chassis.  
Rugged and waterproof construction with 72 protection seals.



#### Packaging data

Dimensions: 203x147x112mm  
Weight: 920g

Standard accessories	Code No.
AV cable I-IVC28	39262
USB cable I-USB17	39233
AC cable D-CO2E	39475
Battery charger D-BC50	39583
Li-Ion battery D-LI50	39581
Shoulder strap O-ST53	39323
Body cap	31016
Eyepiece cap ME	31011
Eye cup FP	30184
Cover for accessory shoe FK	31040
Software S-SW55	

Optional accessories	Code No.
SLR case (body + 2 lenses)	50099
Back pack (camera + 2 lenses)	50098
LCD Protection film 2.5"	50121
IR Remote Control F	37377
AF-360 FGZ Flash with case	30333
AF-540 FGZ Flash	30425
AC Mains Adapter Kit D-AC50	39363
Battery charger kit K-BC50E	39372
Rechargeable Li-Ion battery D-LI50	39581
Battery grip D-BG2	39557
Focusing screen – Grid	38575
Focusing screen – Scaled	38576



SLR case



Back pack



LCD Protection film 2.5"



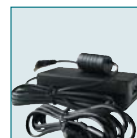
IR Remote Control F



AF-360 FGZ Flash



AF-540 FGZ Flash



AC adapter kit D-AC50



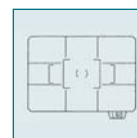
Battery charger kit K-BC50E



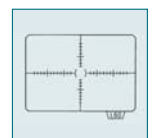
Rechargeable Li-Ion battery D-LI50



Battery grip D-BG2



Focusing screen – Grid



Focusing screen – Scaled

## TECHNICAL DATA

### CCD

- 10.75 Megapixel – total  
10.2 Megapixel – effective  
23.5x15.7mm Interline Interlace CCD with primary colour filter
- Colour depth: 3x12 Bit in RAW, 3x8 Bit in JPEG (internal 3x22 Bit)
- Sensitivity: automatic, manual  
selectable (ISO 100, 200, 400, 800, 1,600)

### Lens

- PENTAX KAF2 bayonet
- Compatible with PENTAX  $K_{AF-}$  and  $K_{A-}$  lens mounts.  $K_{AF2}$  Motor Zoom Function supported (no Power Zoom functions). K- mount lenses with restrictions (stopped-down metering). M42 and medium format lenses with adapters and restrictions in exposure measurement and control

### Viewfinder

- Built-in pentaprism finder
- 95% of viewing field with magnification of 0.95x (50mm f/1.4 lens)
- Interchangeable "Natural Bright II" focusing screens
- User information under image frame
- Dioptre correction -2.5 dpt. – +1.5 dpt.

### Monitor

- 2.5" low-temperature polysilicon TFT colour LCD Monitor with 210,000 pixels, brightness control and wide viewing angle (approx. 140°)
- Depth-of-field preview, digital preview
- Image view after recording:  
single image with Histogramme, exposure and Hot-Spot warning, 20x magnification, 9-image thumbnail view, slide show, image rotation

### Image Formats

- Photo: RAW (PEF, DNG), JPEG (Exif 2.21), DCF

### Memory

- SD card, SDHC card, maximum 4 GB (as of July 2006)

### Focus

- Autofocus system: TTL Phase Matching with 11 focussing points (SAFOX VIII) with indication in finder, Operational range: (EV 1 – EV 19)
- AF Single with focus lock or continuous AF (as a function of the exposure program)
- Focussing point selectable between automatic or manual choice, spot focussing
- AF-Assist with built-in flash
- Compatible with supersonic AF lenses

### Metering

- 16 segment TTL open aperture metering coupled with AF and lens information, switchable between multi segment, Centre weighted and Spot metering. Operational range: EV 1 – EV 21.5
- Electronically controlled vertical-run focal plane shutter  
Shutter speeds:  
Automatic: 1/4,000–30 sec. (stepless)  
Manual: 1/4,000–30 sec. (in 0.3EV steps) and Bulb  
Flash sync: 1/180 sec.
- Green, Programmed automatic (Hyper programme), Sensitivity Priority, Aperture Priority, Shutter Priority, ISO Automatic, Manual, flash sync, Long exposure
- Exposure compensation:  $\pm 3$  EV in 1/2 EV steps, +2 EV in 1/3 EV steps
- Auto bracketing: 3 or 5 exposures in 0.5 or 0.3 EV steps, additional bracketing for contrast, saturation, focus and white balance
- Exposure memory lock

### Flash

- Built-in P-TTL automatic flash with auto-on switching under poor lighting conditions
- Manual on/off selectable
- Preflash for reduction of the "Red Eye" effect
- Flash compensation (-2 – +1 EV, in 0.5 EV steps)
- GN 15.6 at ISO 200
- Hotshoe on camera top for system flash
- High Speed Synchronisation with appropriate PENTAX flash
- Flash coverage for 28mm lens (equivalent in 35mm format)

### Power requirements

- Rechargeable Li-Ion battery D-LI50
- Battery capacity: approx. 500 images\*  
approx. 480 images (50% with flash)  
approx. 330 min. playback
- Battery grip for additional D-LI50 battery doubles the capacity
- AC adapter (optionally available)

### Connections

- USB 2.0 (High Speed)
- AV (compatible with NTSC and PAL)
- AC adapter (optionally available)

### Recording parameters

- White Balance: Automatic or manual, TTL adjustment over image sensor pre-set: Daylight, Shade, Cloudy, Tungsten, Neon (W, N, D), Flash, manual balance, free input of 3 different colour temperature values
- Digital filters: Black & white (4 choices), Sepia (3 choices), 18 colour, special effects and Slim filters
- Drive modes: Single, Continuous at 3 fps. (unlimited in JPEG, 9 sequential shots in RAW 9), auto bracketing, self timer with 2 sec. delay (mirror pre-fire) and 12 sec. delay, IR Remote Control with 0 sec. or 3 sec. delay

### Special features

- World time for 71 cities in 28 times zones
- Manu languages: English, French, German, Dutch, Italian, Portuguese, Swedish, Russian Korean, Chinese, Japanese
- PENTAX-developed opto/mechanical "Shake Reduction" System. Body-integrated to reduce image blurring. Gives an additional 4 stops hand-held shooting capability (for long exposures, use of a tripod in recommended)
- 3 step "Dust Removal" System:
  1. Special coating on the Low Pass Filters,
  2. Vibration system to remove dust,
  3. Adhesive strip to collect dust particles
- Ready for use with supersonic motor AF lenses
- Switchable between digital image preview in the viewfinder or depth-of-field preview
- 32 individual selectable user options
- Fibre-reinforced polycarbonate body with stainless steel chassis
- Water proof body construction with 72 seals to protect from spray and dust

### Print functions

- DPOF (Digital Print Order Form), PRINT Image Matching III, PictBridge

### System requirements

- Integrated USB connector
- PC: Windows 2000/XP Home Edition/XP Professional  
CPU: Pentium IV or newer  
Memory: minimum 512 MB  
Free hard drive space: 250 MB or more  
Monitor resolution: 1,024x768 or more
- Mac: OS X 10.2 or higher  
CPU: POWER PC G4 or newer  
Memory: minimum 512 MB  
Free hard drive space: 250 MB or more  
Monitor resolution: 1,024x768 or more

### Software

- PENTAX PHOTO Browser 3/PENTAX PHOTO Laboratory 3 with integrated RAW converter

Additional information at [www.pentax.co.uk](http://www.pentax.co.uk)

\* Recording capacity shows approximate number of shots recorded during CIPA-compliant testing. Actual performance may vary according to operating conditions. Tests conducted using the monitor and flash for 50% of shots