# PENTAX digital cameras

# K200D

| K200D Code No. | 19541 |
|---|---|
| Barcode | 0027075138131 |

Weight: 630g

74mm
133.5mm

95mm
133.5mm
2.7"

| Standard accessories | Code No. |
|---|---|
| AV cable I-IVC28 | 39262 |
| USB cable I-USB17 | 39233 |
| Shoulder strap O-ST53 | 39323 |
| Body cap | 31016 |
| Eyepiece cap ME | 31011 |
| Eyecup FP | 30147 |
| Cover for accessory shoe FK | 31040 |
| 4x AA batteries | |
| Software S-SW74 | |
| | Delivered without lens |

## Built for the tough everyday photography.

> CCD with 10.2 Megapixels resolution. The result: photographs of impressive depth and brilliance for superb prints up to A4 size and for blow-ups of cropped images.

> Dust and spray protected body. 60 individual seals on the body ensure that humidity, dust and dirt have no effect on the working parts of the camera.

> Reliable system against dust on the sensor: seals prevent dust contamination, coating of the Low Pass filter prevents adhesion of dust particles, vibration eliminates dust from the sensor, an adhesive strip collects dust shaken from the sensor and the "Dust Alert" system warns of persistent adhering particles on the sensor.

> PENTAX "Dynamic Range Enlargement" (DRE). There will always be scenes whose contrast range will push the camera to the limit. The PENTAX DRE system finds all the details and intricacies in such demanding situations for more true-to-life reproductions.

> The special advantage of PENTAX "Shake Reduction": it is integrated into the camera body so it is always available and with any lens.

> Picture Modes and automatic functions provide for precise camera settings. The camera can independently recognise which programme is best suited for each photograph situation and immediately adjust for the optimal settings to match the situation.

> PRIME Processor – the heart of the camera, provides for the optimal operational sequence of the camera's internal processes. From the moment that the shutter is released to when the image is stored in memory PRIME assures sufficient computing power.

> RAW and JPEG data can be stored into memory simultaneously.

### Optional accessories

| Code No. 50099 | Code No. 50154 | Code No. 50160 |
|---|---|---|
| SLR case (body + 2 lenses) | Backpack for a complete system | SLR case |

| Code No. 50158 | Code No. 39212 | Code No. 39687 |
|---|---|---|
| Aluminium case | AC Mains Adapter Kit K-AC10E | Battery grip D-BG3 |

| Code No. 39357 | Code No. 37377 | Code No. 37248 |
|---|---|---|
| Sensor Cleaning Kit | IR Remote Control F | Cable release CS 205 |

| Code No. 30465 | Code No. 30333 | Code No. 30425 |
|---|---|---|
| Flash AF-200 FG | Flash with case AF-360 FGZ | Flash AF-540 FGZ |

| Code No. 21547 | Code No. 21697 | Code No. 21567 |
|---|---|---|
| smc PENTAX DA 18–55mm f/3.5–5.6 AL II | smc PENTAX DA 18–250mm f/3.5–6.3 ED AL[IF] | smc PENTAX DA 50–200mm f/4.0–5.6 ED |

| Code No. 21727 | Code No. 21650 | Code No. 21660 |
|---|---|---|
| smc PENTAX DA 55–300mm f/4.0–5.8 ED | smc PENTAX DA* 16–50mm f/2.8 ED AL [IF] SDM | smc PENTAX DA* 50–135mm f/2.8 ED [IF] SDM |

PictBridge   SDHC   SD   SR Shake Reduction   DR Dust Removal   SDM

**Digital SLR**

# PENTAX

**Additional information available at www.pentax.co.uk**

## CCD
- 10.75 Megapixels – total
  10.2 Megapixels – effective
  23.5x15.7mm Interline Interlace CCD with primary colour filter
- Colour depth: 3 x 12 Bit in RAW, 3 x 8 Bit in JPEG (internal 3 x 22 bit)
- Resolution:
  JPEG: (JPEG Baseline in quality steps of Optimal, Better, Good)
  10 MP (3,872 x 2,592), 6 MP (3,008 x 2,000),
  2 MP (1,824 x 1,216)
  RAW: 10 MP (3,872 x 2,592)
- Sensitivity: Automatic, Manual selectable
  (ISO 100, 200, 400, 800, 1,600)

## Lens
- PENTAX K$_{AF2}$ bayonet
- Compatible with PENTAX K$_{AF2}$-, K$_{AF}$- and K$_A$- lens mounts. Support for K$_{AF2}$ Power Zoom functions

  (K-mount lenses – with adapters – M42 and medium format lenses are mechanically compatible. Due to the high resolution of camera and lack of electronic contacts on the lenses no general statement can be made regarding full compatibility of functions.)

## Viewfinder
- Built-in, non-interchangeable Pentamirror finder
- Viewing area 96% with finder magnification of 0.85x
  (with 50mm f/1.4 lens at infinity, -1m$^{-1}$)
- Bright non-interchangeable "Natural Bright II" focusing screen
- Viewfinder indications below image area
- Dioptre correction -2.5 dpt. – +1.5 dpt.

## Monitor
- 2.7" low-temperature polysilicon TFT Monitor with 230,000 dots, brightness adjustment and wide viewing angle (approx. 160°)
- Image previewing with image preview switch (stop down button)
  Image view after recording:
  Single image, double image, Histogram, recording data and Hot Spot Warning, 16x enlargement, Thumbnail index (4, 9 or 16), slide show, image rotation

## Preview
- Depth-of-field preview button for focus depth preview, digital preview

## Image Formats
- RAW (PEF, DNG), RAW + JPEG
  JPEG (Exif 2.21), DCF
  JPEG compression: JPEG Baseline in quality steps of Optimal, Better, Good

## Memory
- SD Card, SDHC Card

## 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

## 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
- Electronically controlled vertical-run focal plane shutter
  Shutter speeds:
  Automatic: 1/4,000 – 30sec. (stepless)
  Manual: 1/4,000 – 30sec. (in 0.5 EV steps) and Bulb
  Flash sync: 1/180sec.
- Green Mode, Programmed automatic (Hyperprogram), Sensitivity Priority, Aperture Priority, Shutter Priority, ISO Automatic, Manual, long exposure
- Picture Modes (automatic or manual): Portrait, Landscape, Macro, Sport, Night portrait, Flash Off
- Scene Modes: Night scene, Surf & Snow, Food, Sunset, Kids, Pets, Candle light, Museum
- Exposure compensation: ± 2EV (1/3 or 1/2 steps)
- Auto bracketing: ±0.5 EV, ±1.0 EV, ±1.5 EV in 0.5 EV steps, or ±0.3 EV, ±0.7 EV, ±1.0 EV, in 0.3 EV steps
- Exposure memory button

## Flash
- Built-in P-TTL automatic flash with automatic operation in poor lighting conditions
- Manual on / manual off
- Preflash for reduction of the "Red Eye" effect
- Flash compensation (±2 EV)
- GN 13 at ISO 100
- Hotshoe on camera top for use of system flashes
- High-Speed Synchronisation with appropriate PENTAX flashes
- Coverage 28mm (equivalent in 35mm film format)

## Power requirements
- 4x AA batteries (Lithium, Alkaline, Ni-MH)
- Battery capacity: approx. 1,100 images*
  approx. 550 images (50% with flash)
  approx. 700 min. playback
- AC adapter (optionally available)

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

## Recording parameters
- White Balance: Automatic or manual. Daylight, Shade, Cloudy, Tungsten, Neon (W, N, D), Flash, manual balance, 3 selectable settings for Kelvin and Mired Value with fine adjust
- Digital filters: BW, Sepia, Colour (18 options), Soft filter and Slim Filter, HDR (3 options)
- Drive Modes: Single, Series (Hi/Low): 2.8fps. to 4 images in JPEG (Hi), 1.1fps to capacity of memory card (Low). 4 images in RAW (DNG).  Auto Bracketing, Self-timer with 2sec. delay (mirror up lock) and 12sec. delay, IR Remote Control, series.

## Special features
- PENTAX developed opto/mechanical "Shake Reduction" (integrated in camera body). Adds approx. 4 stops to hand-held shots (for long exposures a tripod should be used).
- 3 step "Dust Removal" system:
  1. Special coating of Low Pass Filter,
  2. Vibration system to remove dust,
  3. Adhesive strip to capture dust
- "Dust Alert": remaining persistent dust on the sensor is clearly located and the position is indicated on the monitor
- Compatible with ultrasonic lenses
- Camera internal file designation switchable between standard files or date
- Extended exposure functions via eight Scenes Mode programs
- Switchable between digital preview on the monitor or optical depth-of-field preview in viewfinder
- 23 individually adaptable camera functions
- Metal chassis with fibre-reinforced plastic housing
- Weather-proofed body construction with 60 seals protecting against dust and spray
- World time for 72 cities in 28 time zones
- Menu languages: English, French, German, Danish, Swedish, Finnish, Dutch, Spanish, Portuguese, Italian, Polish, Czech, Hungarian, Turkish, Russian, Korean, Chinese, Thai, Japanese

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

## System requirements
- Integrated USB connector
- PC:  Windows XP, Windows Vista
  CPU: Pentium IV or newer
  Memory: minimum 512MB
  Free hard drive space: 1GB or more
  Monitor resolution: 1,280 x 1,024 or more
- Mac  OS X 10.2 or higher
  CPU: POWER PC G5 or newer
  Memory: minimum 512MB
  Free hard drive space: 1GB or more
  Monitor resolution: 1,280 x 1,024 or more

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

*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.

We recommend Energizer batteries.

As of 01.01.2008. All data reserved and subject to change without notice.

Digital SLR

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