

CAMERA HARDWARE

MODEL: K2000
 TYPE: Digital SLR
 PRODUCT CODE: xxxxx, UPC: xxxxx

SENSOR

Type: Interline interlace CCD with primary color filter and integrated Shake/Dust Reduction sensor movement system
 Size: 23.5 x 15.7mm
 Color depth: 8 bits/channel JPG, 12 bits/channel RAW
 Effective pixels: 10.2 MP
 Total pixels: 10.75 MP
 Recorded resolutions: 10M (3872x2592), 6M (3008x2000), 2M (1824x1216)
 Quality levels: ★★★ (Best), ★★ (Better), ★ (Good)
 Dust Removal: Image sensor movement combined with SP coating

LENS MOUNT

Type/construction: PENTAX K_{AF3} bayonet stainless steel mount
 Usable lenses: PENTAX K_{AF3}, K_{AF2}, K_{AF}, and K_A (K mount, 35mm screwmount, 645/67 med format useable w/ adapter and/or restrictions)
 SDM function: YES
 Power zoom function: n/a

FOCUS SYSTEM

Type: TTL phase-matching 5 point wide autofocus system (SAFOX xxxxx)
 Focus modes: AF Auto, AF Single (w/ focus lock), AF Continuous (available in Action mode including Auto Picture Action, Kids, Pet, [Stage Lighting](#), and [Night Snap modes](#), P/A/S/M/B/Sv), Manual
 Focus point adjustment: Auto, Wide, Spot
 AF assist: YES, via built-in flash

VIEWFINDER

Type: Penta-Mirror
 Coverage (field of view): Approx 96%
 Magnification: Approx 0.85X (w/ 50mm f/1.4 at infinity)
 Standard focusing screen: Natural-Bright-Matte II
 Diopter adjustment: -2.5 to 1.5
 Depth of field preview: [Digital](#) (available as a custom function linked to Help button)

LCD MONITOR

Type: 2.7" TFT color LCD monitor, adjustable brightness
 Resolution: 230,000 dots
 Wide angle viewable: YES

BUILT-IN FLASH

Type: Retractable P-TTL auto/manual popup flash
 Guide number: 11 (100m)
 Coverage: 28mm wide angle (equivalent to 35mm)
 Flash modes: On, off, red-eye, wireless
 Flash exposure compensation: -2 to 1 EV in 1/2 steps

EXTERNAL FLASH

Type: Hot shoe (P-TTL, high speed sync available), wireless with PENTAX dedicated flash
 Synchronization speed: 1/180s

STORAGE MEDIA

Internal memory: n/a
 Removable memory: SD, SDHC

INTERFACES

Ports: USB 2.0 hi-speed, video out
 Video out: NTSC, PAL
 Printer interfaces: PictBridge

POWER SUPPLY

Power source: 4* AA (lithium, NiMH rechargeable, alkaline)
 Recordable images: Approx xxxxx (lithium)
 Playback time: Approx xxxxx (lithium)
 AC adapter available: YES (optional)

PHYSICAL SPECIFICATIONS

Body dimensions (W x H x D): 4.8 x 3.6 x 2.7"
 Body weight
 Without battery or removable memory: 18.5 oz
 Loaded and ready: 20.8 oz (lithium)
 Construction material(s): Fiber reinforced plastic polymer covers [around a rugged stainless steel chassis](#)
 Operating temperature: 32-104°F

LANGUAGE SUPPORT

English, French, German, Spanish, Swedish, Dutch, Italian, Russian, Portuguese, Danish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Japanese, Korean, Traditional/Simplified Chinese

IMAGE CAPTURE

IMAGE STABILIZATION

Type: Body-based, sensor shift Shake Reduction (4 stops maximum)

METERING SYSTEM

Type: TTL open aperture, 16 segment metering
 Sensitivity range: EV 0-21 (ISO 100, 50mm f/1.4)
 Multi-segment: YES, 16 segments
 Center weighted: YES
 Spot: YES
 Exposure compensation: +/- 2 EV (1/2 or 1/3 steps)
 Exposure lock: YES (available as a custom function linked to focus lock)
 Exposure bracketing: YES, 3 frames, up to +/- 1.5 (1/2 steps) or +/- 1.0 (1/3 steps)

ISO SENSITIVITY

Auto: 100-3200 ISO (1, 1/2, 1/3 steps), up to 1600 ISO in Bulb mode
 Manual: 100-3200 ISO (1, 1/2, 1/3 steps), up to 1600 ISO in Bulb mode

WHITE BALANCE*

Auto preset modes: Auto, Daylight, Shade, Cloudy, Fluorescent (D, N, W), Tungsten, Flash
 Manual mode(s): YES
 * WB fine adjustment available

SHUTTER

Type: Electronically controlled, vertical run, focal plane shutter
 Shutter speed: 1/4000 to 30 sec, bulb available

CAPTURE MODES

Mode selection: Auto Picture (Portrait, Night Portrait, Landscape, Macro, Action), Picture (Portrait, Landscape, Macro, Action, Night Scene Portrait, Standard Flash Off), Scene (Night Scene, Surf & Snow, Food, Sunset, Kids, Pet, Candlelight, Museum, Stage Lighting [2M JPG], Night Snap [2M JPG]), Program, Sensitivity Priority, Shutter Priority, Aperture Priority, Metered Manual, Bulb (available in Metered Manual)
 Green simplified mode available: n/a
 P/A/S/M/B: P, A, S, M (extended modes include Sv, Bulb available in Metered Manual)

Date stamp: n/a

Digital filters (capture): Toy Camera, High Contrast, Soft, Starburst, Retro, Color Extract (xxxxx). Custom Image Modes includes Bright, Natural, Portrait, Landscape, Vibrant, and Monochrome modes. Color Custom Image Modes include gamut radar and fine adjustment for saturation, hue, contrast, and sharpness. Monochrome Custom Image Mode includes adjustment for film filter effects (green, yellow, orange, red, magenta, blue, cyan, infrared), toning (sepia warm/cool), contrast, and sharpness (regular and fine adj scales).
 Data record: Folder Name (standard, date)

DRIVE MODES

Mode selection: Single, Continuous (Hi, Lo), Self-Timer (12s, 2s), Remote (0s, 3s), Auto Bracket
 Continuous FPS:
 - 3.2 FPS (4 JPG and Continuous Hi, 4 RAW)
 - 1.1 FPS (unlimited JPG and Continuous Lo, 4 RAW)
 Self-timer: YES (12s, 2s)
 Remote control: YES, infrared (0s, 3s)

PLAYBACK MODES

Mode selection: One shot, index (4, 9, or 16 thumbnails, select & delete available), magnification (quick zoom available), image comparison, image rotation, folder view, [calendar](#), slideshow, histogram, bright/dark indication, resize, trimming, DPOF, digital filter, RAW to JPG
 Magnification: Up to 16X, scrollable
 Digital filters (playback): [Toy Camera](#), [High Contrast](#), [Soft](#) (3), [Starburst](#), [Retro](#), [Color Extract](#), [Illustration](#) ([Pastel](#), [Watercolor](#)), HDR (3), B&W, Sepia, Color (18), Slim (+/- 8), Brightness (+/- 8), [Custom](#)

FILE FORMATS

Still: RAW PEF/DNG, JPG (EXIF 2.21), DCF 2.0 (design rule for camera file system), DPOF, [Print Image Matching III](#)

CUSTOM FUNCTIONS

Functions available: 23

FILE STORAGE MATRIX (BASED ON 1GB MEMORY)

JPG	★★★	★★	★
10M (3872x2592)	202	343	586
6M (3008x2000)	335	570	974
2M (1824x1216)	902	1549	2627
RAW			
10M (3872x2592)	58		

COMPUTER SYSTEM REQUIREMENTS*

*For device connectivity. Bundled software requirements may vary.
 Windows: Windows XP/Vista, USB port
 Mac: MacOS-X 10.3 or later, USB 2.0 port

KIT INCLUSIONS

K2000, DA-L 18-55 lens, AF 200FG flash, xxxxx

OPTIONAL ACCESSORIES

Accessory 1,