

K-5 IIS



Type	Digital SLR
Sensor	Type: CMOS w primary color filter and integrated Shake/Dust Reduction sensor movement system Size: 23.7 x 15.7mm Color depth: 8 bits/channel JPG, 14 bits/channel RAW Effective pixels: 16.3 MP Total pixels: 16.9 MP Recorded resolutions Still: 16M (4928x3264), 10M (3936x2624), 6M (3072x2048), 2M (1728x1152) Movie (resolution/FPS): 1920x1080p25, 1280x720p30/25, 640x480p30/25 Quality levels: **** Premium, *** Best, ** Better, * Good Dust Removal: DR II (ultrasonic vibration to filter) with Dust Alert function
Lens	Type/construction: PENTAX KAF2 bayonet stainless steel mount Usable lenses: PENTAX KAF3, KAF2, KAF, and KA (K mount, 35mm screwmount, 645/67 med format lenses useable w adapter and/or restrictions) SDM function: Yes Power zoom function: Yes
Focus System	Type: SAFOX X TTL phase-difference 11 point (9 cross) wide autofocus system with light wavelength sensor Focus modes: AF Single (w focus lock, focus/shutter priority selectable), AF Continuous (w focus/FPS priority selectable), Manual Focus point adjustment: Auto 11 Point, Auto 5 Point, User-Selectable, Center AF assist: Yes, via dedicated LED AF assist lamp
Viewfinder	Type: Pentaprism Coverage (field of view): 100% Magnification: 0.92X (w 50mm F1.4 at infinity) Standard focusing screen: Natural-Bright-Matte III (interchangeable) Diopter adjustment: -2.5m to 1.5m Depth of field preview: Optical (diaphragm stop-down), Digital
LCD Monitor	Type: 3.0" TFT color LCD with brightness/color adjustment and AR coating Resolution: 921,000 dots Wide angle viewable: Yes

Flash	Type: Retractable P-TTL popup flash Guide number: 13m (ISO 100) Coverage: 28mm wide angle (equiv 35mm) Flash modes: On, Redeye, Slow Sync, Slow Sync + Redeye, Trailing Curtain Sync, Wireless Flash exposure compensation: -2 to 1 EV (1/2 steps)
External Flash	Type: Hotshoe (P-TTL), high speed sync and wireless w PENTAX dedicated flash, X-SyncSocket Synchronization speed: 1/180 sec
Storage Media	Internal memory: n/a Removable memory: SD, SDHC, SDXC (via firmware update)
Interfaces	Ports: USB 2.0 hi-speed, AV out, HDMI out, DC in, cable switch, 3.5mm stereo microphone, X-sync socket Video out: HD (via HDMI), NTSC, PAL Printer interfaces: n/a
Power Supply	Power source: Rechargeable Li-Ion battery D-LI90, D-BG4 Battery Grip (optional) for 2nd D-LI90 battery or 6X AA batteries Recordable images: Approx 980 (approx 740 w 50% flash, CIPA) Playback time: Approx 440 min Movie recording time: Approx 25 min (automatic overheat shutdown protection) AC adapter available: Yes (optional)
Physical Specs	Body dimensions (W x H x D): 5.2 x 3.8 x 2.9" Body weight Without battery or removable memory: 23.3 oz Loaded and ready: 26.1 oz Construction material(s): Magnesium alloy shell over stainless steel chassis Weather resistant: Yes (77 weather protection seals) Operating temperature: 14-104°F (-10 to 40°C)
Language Support	English, French, German, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Korean, Chinese (Simplified/Traditional), Japanese
Image Stabilization	Type: Sensor-Shift Shake Reduction with rotational compensation (4 stops max) Electronic level function: Yes, verification via viewfinder and LCD panel
Metering System	Type: TTL open-aperture 77 segment metering Sensitivity range: EV 0 to 22 (ISO 100, 50mm F1.4) Multi-segment: Yes (77 segments) Center weighted: Yes Spot: Yes Exposure compensation: +/- 5 EV (1/3 and 1/2 steps) Exposure lock: Yes Exposure bracketing: Yes (2, 3, or 5 frames, up to +/- 2 EV in 1/3 or 1/2 steps)
ISO Sensitivity	Auto: ISO 100-12800 (1, 1/2, 1/3 steps), expandable to ISO 80-51200, Bulb mode up to ISO 1600, auto ISO range selectable Manual: 100-12800 (1, 1/2, 1/3 steps), expandable to ISO 80-51200, Bulb mode up to ISO 1600

White Balance	<p>Auto preset modes: Auto, Daylight, Shade, Cloudy, Fluorescent (D, N, W, L), Tungsten, Flash, CTE</p> <p>Manual mode(s): Yes, 3 manual and 3 Kelvin temperature presets available, copy WB settings from a captured image available</p> <p>* WB fine adjustment available in all modes</p>
Shutter	<p>Type: Electronically controlled, vertical-run, focal plane shutter</p> <p>Shutter speed: 1/8000 to 30 sec (1/3 or 1/2 steps), Bulb</p>
Capture Modes	<p>Mode selection: Green, Hyper Program (P), Sensitivity Priority (Sv), Shutter Priority (Tv), Aperture Priority (Av), Shutter & Aperture Priority (TAv), Metered Manual, Bulb, X-Speed, USER (5 presets), Movie</p> <p>Custom Image Modes: Bright, Natural, Portrait, Landscape, Vibrant, Muted, Monochrome, Reversal Film, Bleach Bypass</p> <p>- All include gamut radar and fine adjustment of saturation, hue, high/low key, contrast, and sharpness (regular and fine adjustment scales). Monochrome mode includes adjustments for filter effects (green, yellow, orange, red, magenta, blue, cyan, infrared), toning (sepia, warm/cool), high/low key, contrast, and sharpness (regular, fine, and extra sharp adjustment scales).</p> <p>Green simplified mode available: Yes</p> <p>P/A/S/M/B: P, A, S, M, B (extended modes Sv, TAv)</p> <p>Date stamp: n/a</p> <p>Digital filters (capture): Toy Camera, Retro, High Contrast, Extract Color, Soft, Starburst, Fisheye, Custom</p> <p>Data record: Folder name (standard, date), file name (standard, customizable), embed copyright</p>
Drive Modes	<p>Mode selection: Single, Continuous (Hi, Lo), Self-Timer (12s, 2s), Remote (0s, 3s, continuous), Auto Bracketing (standard, timer, remote), MLU (standard, remote), HDRCapture (+3, 0, -3 with 5 blend settings and pixel alignment), Multi-Exposure (2-9 shots), Interval (999 shots, 1 sec to 24 hrs, time delay available)</p> <p>Continuous FPS</p> <p>- Continuous Hi: Approx 7.0 FPS (30 JPG, 8 RAW)</p> <p>- Continuous Lo: Approx 1.6 FPS (unlimited JPG, 10 RAW)</p> <p>Self-timer: Yes (12s, 2s)</p> <p>Remote control: Yes, infrared (0s, 3s, continuous), cable switch</p>
Playback Modes	<p>Mode selection: One Shot (no data, basic data, full data, color channel histogram, bright/dark indication, copyright info), Multi Image Display (4, 9, 16, 36, 81 thumbnails), Calendar Filmstrip, Folder, Magnification, Select & Delete, Movie Playback (no data, basic data, full data), Save RAW Data From JPG (if available in buffer memory)</p> <p>Mode pallet: Image Rotation, Digital Filter, Resize, Cropping, Slideshow, Save as Manual WB, RAW Development, Index Print, Image Comparison, Protect, DPOF, Movie Edit, Extract JPG from Movie</p> <p>Magnification: Up to 32X, scrollable, quick magnification)</p> <p>Digital filters (playback): Toy Camera, Monochrome (filter, toning), Retro, Color, High Contrast, Soft, Extract Color, Starburst, Sketch, Watercolor, Fisheye, Pastel, Slim, Miniature, HDR, Posterization, Base Parameter Adj, Custom</p>
File Formats	<p>Still: RAW (PEF, DNG), JPG (EXIF 2.21), DCF 2.0 compliant, DPOF, PIM III</p> <p>Movie (compression): AVI (Motion JPG)</p>

**Custom
Functions**

Functions available: 27

**Computer
Requirements**

*For device connectivity. Bundled software requirements may vary.

Windows: Windows XP (SP3 or later)/Vista/7, (can be run as 32-bit in x64 Win)

USB 2.0 port

Mac: MacOS-X 10.4.11, 10.5 or 10.6 USB 2.0 port