

# K-30



## Type

Digital SLR

## Sensor

Type: CMOS w primary color filter, integrated Shake/Dust Reduction sensor movement system

Size: 23.7 x 15.7mm (APS-C)

Color depth: 8 bits/channel JPG, 12 bits/channel RAW

Effective pixels (total pixels): 16.3 MP (16.5 MP)

Dust Removal: Sensor movement w SP coating on low pass filter

Pixel mapping: Yes

## 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: n/a

## Focus System

Type: SAFOX IXi+ TTL phase-detection 11 point (9 cross) wide autofocus system w light wavelength sensor and diffraction lens

Sensitivity range: EV -1 to 18 (ISO 100)

Focus modes: AF.A (auto), AF.S (single, w focus lock, focus/shutter priority selectable), AF.C (continuous, w focus/FPS priority selectable), Manual

Focus point adjustment: Auto 11 pt, Auto 5 pt, User-Selectable (w Expanded Area AF), Center

AF assist: Yes via dedicated LED AF assist lamp

Focus peaking: Yes (n/a while video is actively recording)

<b>Viewfinder</b>	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
<b>LCD Monitor</b>	Type: 3.0" TFT color LCD w brightness/color adjustment and AR coating Resolution: 921,000 dots Wide angle viewable: Yes
<b>Flash</b>	Type: Retractable P-TTL popup flash Guide number: 12m (ISO 100) Coverage: 28mm wide angle equivalent Flash modes: On, Redeye, Slow Sync, Slow Sync + Redeye, Trailing Curtain Sync, Wireless Flash exposure compensation: -2 to 1 EV (1/2 steps)
<b>External Flash</b>	Type: Hotshoe (P-TTL), high speed sync and wireless w PENTAX dedicated flash Synchronization speed: 1/180 sec
<b>Storage Media</b>	Internal memory: n/a Removable memory: SD, SDHC, SDXC
<b>Interfaces</b>	Ports: USB 2.0 hi-speed, AV out, cable switch Video out: NTSC, PAL Microphone: Built-in monaural
<b>Power Supply</b>	Power source: Rechargeable Li-Ion battery D-LI109 (included), AA battery holder D-BH109 for 4* AA batteries (sold separately) Recordable images: Li-Ion approx 480 (410 w 50% flash, CIPA), AA lithium approx 1600 (1000 w 50% flash, CIPA) Playback time: Li-Ion approx 270 min, AA lithium approx 620 min Movie recording time: 25 min max time per clip AC adapter available: Yes (sold separately)
<b>Physical Specs</b>	Body dimensions (W x H x D): 5.1 x 3.8 x 2.8" Body weight Without battery or removable memory: 20.8 oz Loaded and ready: 22.9 oz (Li-Ion) Primary construction material(s): Reinforced polycarbonate over stainless steel chassis Operating temperature: 14-104°F (-10 to 40°C) Ruggedized features: Fully weather sealed throughout body, coldproof
<b>Language Support</b>	English, French, German, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Korean, Traditional/Simplified Chinese, Japanese
<b>Image Stabilization</b>	Type: Sensor-shift SR w rotational compensation (3 stops max)
<b>Metering System</b>	Type: TTL open aperture 77 segment metering Sensitivity range: EV 0 to 22 (ISO 100, 50mm F1.4)

Metering patterns (multi, center, spot): Multi 77, Center, Spot  
Exposure compensation: +/- 5 EV (1/3 and 1/2 steps)  
Exposure lock: Yes  
Exposure bracketing: 3 frames, up to +/- 2 EV in 1/3 or 1/2 steps

**ISO  
Sensitivity**

Auto: 100-12800 (1/1, 1/2, 1/3 steps), expandable to 100-25600, auto range selectable  
Manual: 100-12800 (1/1, 1/2, 1/3 steps), expandable to 100-25600

**White  
Balance**

Type: Image sensor detection w light wavelength sensor assist  
Auto preset modes: Auto, Daylight, Shade, Cloudy, Fluorescent (D, N, W, L), Tungsten, Flash, CTE  
Manual mode(s): 3 manual and 3 Kelvin temperature presets, copy WB settings from a captured image available  
WB fine adjustment: +/- 7 steps A-B axis or G-M axis

**Shutter**

Type: Electronically controlled, vertical-run, focal plane shutter  
Shutter speed: 1/6000 to 30 sec (1/3 or 1/2 steps), Bulb

**Capture  
Modes**

Mode selection: Hyper Program (P), Sensitivity Priority (Sv), Shutter Priority (Tv), Aperture Priority (Av), Shutter & Aperture Priority (TA), Hyper Manual (M), Bulb (B), User (U1, U2), Scene (SCN), Auto Picture (AUTO), Movie  
Auto Picture modes: Standard, Portrait, Landscape, Macro, Moving Object, Night Scene Portrait, Night Scene, Blue Sky, Forest  
Scene modes: Portrait, Landscape, Macro, Moving Object, Night Scene Portrait, Sunset, Blue Sky, Forest, Night Scene, Night Scene HDR (JPG), Night Snap, Food, Pet, Kids, Surf & Snow, Backlight Silhouette, Candlelight, Stage Lighting, Museum  
Custom Image modes: Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Bleach Bypass, Reversal Film, Monochrome, Cross Processing  
Green simplified mode available: n/a  
Face detection available: Yes  
PASMB: P, A, S, M, B (extended modes Sv, TA)  
Date stamp: n/a  
Digital filters (capture): Extract Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Color  
Dynamic range adjustment: Highlight, shadow  
Digital level: Viewfinder (horizontal), LCD (horizontal, vertical), SR auto-level function  
File/Folder customization: Folder name (standard, date), file name (standard, customizable), embed copyright

**Drive Modes**

Mode selection: Single, Continuous (Hi, Lo), Self-Timer (12s, 2s), Remote (0s, 3s, continuous), Auto Bracketing (3 frames, standard, timer, remote)  
Continuous FPS  
- Continuous Hi: Approx 6.0 FPS (30 JPG, 8 RAW)  
- Continuous Lo: Approx 3.0 FPS (unlimited JPG, 10 RAW)  
Multi-exposure: 2-9 shots, auto exposure adjustment  
Interval: 999 shots, 3 sec to 24 hr interval, time delay  
HDR: Auto, HDR 1, HDR 2, HDR 3, pixel alignment, exposure bracket +/- 1-3 EV (1/1 steps)  
Cable switch: Yes (available separately)

**Playback  
Modes**

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), Magnification (up to 16X, scrollable, quick magnification), Image Rotation, Calendar Filmstrip, Display, Folder, Slideshow, Select & Delete, Movie Playback (no data, basic data, full data), Save RAW Data From JPG (if available in buffer memory)

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

Digital filters (playback): Monochrome, Extract Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Color, Tone Expansion, Sketch Filter, Watercolor, Pastel, Posterization, Miniature, Soft, Starburst, Fisheye, Slim, Base Parameter Adj

Recorded resolutions: 16M (4928x3264), 12M (4224x2816), 8M (3456x2304), 5M (2688x1792)

## File Formats

Quality levels: \*\*\* Best, \*\* Better, \* Good

File formats: RAW (DNG), JPG (EXIF 2.3), DCF 2.0 compliant, DPOF, PIM III

Color space: sRGB, AdobeRGB

## Custom Functions

Functions available: 23