

# THE WIDEST HYBRID SYSTEM

**PENTAX**  
A RICOH COMPANY

# K-01



## ADVANTAGES

### Original design by world-renowned designer Marc Newson

#### High quality aluminium alloy and rubber finish

- ◆ Neat, straight lines, push buttons to optimize both functionality and visual attractiveness
- ◆ High-quality aluminum alloy buttons
- ◆ Easy-to-hold grip with protective rubber

### Exceptional image quality

#### CMOS APS-C 16 MP Sensor and sensor-shift system

- ◆ Newly developed **CMOS APS-C 16 MP** sensor including Shake Reduction System for high-speed readout of image data signals
- ◆ Extra-wide sensitivity range up to **ISO 25 600** while minimizing annoying digital noise at all sensitivity levels

### The widest hybrid system

#### Compatibility with all PENTAX K-mount lenses and accessories dedicated for our D-SLR

- ◆ PENTAX **K-mount lenses**, including **film-format lenses** for a wide range of use, effect and perspective
- ◆ **Dedicated XS lenses** are also developed for a complete package designed by Marc Newson
- ◆ All **D-SLR accessories** (flash, Synchrocord, GPS unit...) are also compatible

### High-quality video recording

#### Full HD and advanced video-recording features

- ◆ **Full HD** video-recording to capture high-quality movie clips (1920 x 1080 pixels)
- ◆ **H.264** recording format to offer a choice of frame rate (**30, 25 or 24 fps**) to accommodate user-specific applications.
- ◆ New **"PRIME M"** imaging engine to assure first-rate movie recording performance
- ◆ New features to facilitate video recording: a **video recording button** for instant pushbutton start and a **stereo microphone** for more realistic sound
- ◆ Personal touches video clips with **Interval movie shooting** or **Custom Image**
- ◆ **Micro HDMI** terminal to simultaneously output both Full HD movie clips and stereo sound
- ◆ **External microphone** input terminal for a perfect sound



Black & Black	Art. Code	EAN code
K-01 body only	Xxxxx	0027075xxxxx
K-01 + DA 40mm XS	Xxxxx	0027075xxxxx
K-01 + DAL 18-55	Xxxxx	0027075xxxxx
K-01 + DAL 18-55 + DAL 50-200	Xxxxx	0027075xxxxx
Black & Yellow		
K-01 + DAL 18-55	Xxxxx	0027075xxxxx
Silver & Black		
K-01 body only	Xxxxx	0027075xxxxx
K-01 + DA 40mm XS	Xxxxx	0027075xxxxx
K-01 + DAL 18-55	Xxxxx	0027075xxxxx
K-01 + DAL 18-55 + DAL 50-200	Xxxxx	0027075xxxxx
Dimensions	12,1 x 7,9 x 5,9 cms	
Weight	480g	

## OPTIONAL ACCESSORIES



Rechargeable battery



Battery charger



AC Adapter



Case



Remote Control



USB Cable

	Code Art.
Rechargeable battery Li-Ion D-LI90	39830
Battery charger K-BC90E	39834
AC adapter K-AC1202E	xxxxx
Case	xxxxx
SLR Case	50099
Remote Control F	37377
USB Cable I-USB7	39551

## SUPPLIED ACCESSORIES

	Code Art.
USB Cable I-USB7	
Rechargeable Lithium-ion Battery D-LI90	
Battery charger D-BC90	
Strap O-ST120	
Software (CDROM) S-SW120	
Mounted on the camera :	
Hot shoe cover FK, Body Mount Cover	

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# K-01 TECHNICAL SPECIFICATIONS

## TYPE

Type	Lens-interchangeable SL digital-still camera
Lens mount	PENTAX KAF2 bayonet mount (AF coupler, lens information contacts, K-mount with power contacts)
Compatible lenses	KAF3, KAF2 (power zoom not compatible), KAF, KA mount lenses

## IMAGE SENSOR

Sensor type	23.7 x 15.7mm CMOS, with primary color filter
Number of pixels	Approx. 16.28 megapixels (effective), approx. 16.49MP (total)
Stabilization	Sensor shift Shake Reduction
Dust Removal	SP coating and CMOS sensor operations
Sensitivity Range	AUTO/100 to 12800 (EV steps can be set to 1EV, 1/2EV, or 1/3EV), expandable from ISO 100 to ISO 25600.

## RECORDING AND IMAGE FORMATS

Image formats	RAW (DNG), JPEG (Exif 2.3), DCF2.0 compliant, RAW+ JPEG
Image sizes	JPEG [3:2]16M(4928x3264),12M(4224x2816),8M(3456x2304),5M(2688x1792) [4:3]14M(4352x3264),11M(3840x2880),7M(3072x2304),4M(2304x1728) [16:9]13M(4928x2776),10M(4224x2376),6M(3456x1944),4M(2688x1512) [1:1]10M(3264x3264),8M(2880x2880),5M(2304x2304),3M(1728x1728) RAW [3:2]16M(4928x3264) RAW (12bit): DNG JPEG: ★★★ (Best), ★★ (Better), ★ (Good) sRGB, Adobe RGB Support Compatible with SD, SDHC, and SDXC Memory Card

## LCD SCREEN

Type	3" (7.6cm), TFT color LCD monitor, wide angle viewing, Approx. 921k dots, with AR coating Brightness and colors adjustable
Field of view	Approx. 100%
Other features	Grid display (4 x 4 Grid, Golden Section, Scale display), Bright/dark area warning, Histogram

## AUTOFOCUS SYSTEM

Type	Contrast detection AF
Brightness Range	EV 1 to 18 (ISO100, F1.4 lens)
Focus Mode	AF/MF switching
Autofocus Method	Face Detection, Tracking, Select, Spot
AF Assist Light	Dedicated LED AF assist light
Focus Assist	AF Autozoom (OFF/x2/x4/x6), Focus Peaking, when set to MF, an image can be magnified by pressing the OK button.

## METERING

Type	TTL image sensor metering, multi-segment metering, center weighted metering, and spot metering
Exposure Compensation	EV -1 to 21 (ISO 100, F1.4 lens)
Exposure modes	Program, Shutter Priority, Aperture Priority, Manual, Bulb, HDR* (JPEG only) Auto Picture mode: automatically selects from 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*, Night Snap, Food, Pet, Kids, Surf & Snow, Backlight Silhouette, Candlelight, Stage Lighting, Museum
EV Compensation	± 3EV (1/2EV step or 1/3EV can be selected)
AE Lock	Can be assigned to the AF/AE-L button from the menu.
Shutter	Auto: 1/4000 to 30 sec., Manual: 1/4000 to 30 sec. (1/3EV step or 1/2EV step), Bulb

## BUILT-IN-FLASH

Built-in Flash	Built-in retractable P-TTL auto pop-up flash Guide number: approx. 12 (ISO 100/m) Angle of view: coverage: wide angle-lens, equ. to 28mm in 35mm format
Flash Modes	P-TTL, Red-eye Reduction, Slow-speed Sync, Trailing Curtain Sync. High-Speed Sync is also available with PENTAX dedicated external flash.
Sync Speed	1/180 sec.
Flash Exp. Compensation	-2.0 to +1.0 EV

## DIMENSIONS AND WEIGHT

Dimensions	Approx. 121(W) x 79(H) x 59mm(D) (excl. operation parts and protrusion)
Weight	Approx. 560g (loaded with batt. and SD card), 480 g (body only)

## POWER SUPPLY

Battery	Rechargeable Lithium-ion Battery D-LI90
AC Adapter	AC Adapter Kit K-AC1202 (optional)
Battery Capacity*	Number of recordable images with 50% flash usage: approx. 500 images, without flash usage: approx. 540 images Playback time: approx. 320 minutes

## INTERFACES

Connection Port	USB2.0 (high-speed compatible) / AV output terminal, HDMI output terminal, Stereo microphone input terminal
USB	MSC/PTP
Video Output	NTSC/PAL

## RECORDING PARAMETERS

Drive modes	Single frame, Continuous (Hi, Lo), Self-timer (12sec., 2sec.), Remote Control (0 sec., 3 sec.), Auto Bracketing (3 frames) Approx. 6 fps, JPEG (16M/★★★/Cont. Hi) Approx. 3 fps, JPEG (16M/★★★/Cont. Lo)
Continuous shooting	Auto (TTL by CMOS image sensor), Daylight, Shade, Cloudy, Fluorescent Light (D: Daylight Color, N: Daylight White, W: Cool White, L: Warm White), Tungsten, Flash, CTE, Manual (configuration on monitor), Fine adjustment (±7 steps)
White balance	16 items 11 items Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Bleach Bypass, Reversal Film, Monochrome, Cross Processing Slow Shutter Speed NR, High-ISO NR
Custom Functions	Highlight Correction, Shadow Correction
Mode Memory	Distortion Correction, Lateral Chromatic Aberration Correction
Custom Image	Extract Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Color
Noise Reduction	Auto, HDR 1, HDR 2, HDR 3, Auto. composition correction
Dynamic Range Setting	Number of shots: 2-9, Exposure adjusted automatically.
Lens Correction	Shooting interval: 1 sec. to 24 hr., Number of shots: up to 999 images, Start Interval setting: immediately, from the set time
Digital Filter	
HDR Capture	
Multi-exposure	
Interval Shooting	

## MOVE

File format	MPEG-4 AVC / H.264, record time: Up to 25 minutes; automatically stops recording if the internal temperature of the camera becomes high.
Recorded pixels	FullHD(1920x1080,16:9,30fps/25fps/24fps), HD(1280x720,16:9,60fps/50fps/30fps/25fps/24fps), VGA(640x480,4:3,30fps/25fps/24fps)
Quality levels	★★★(Best), ★★(Better), ★(Good)
Sound	Built-in stereo microphone, External stereo microphone terminal, Recording Sound Level
Movie processing	Custom Image (Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Bleach Bypass, Reversal Film, Monochrome, Cross Processing), Digital Filter (Extract Color, Toy Camera, Retro, High Contrast, Invert Color, Color)
Interval Movie	Recording interval: 1 sec., 5 sec., 10 sec., 30 sec., 1 min., 5 min., 10 min., 30 min., 1 hr., Recording time: 4 sec. to 99 hr., Start Interval setting: immediately, from the set time *The File format is Motion JPEG(AVI).
Movie Editing	Divide or delete selected frames, Capturing a JPEG still picture from a movie

## OTHER FEATURES

World time	75 cities, 28 time zones
Folder names	Date (100_1018_100_1019...)/PENTX (100PENTX, 101PENTX...)
Language	English, French, German, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Korean, Traditional Chinese, Simplified Chinese, and Japanese
Button/Dial Customization	Green Button (Green Button, One Push File Format, Preview, Focus Peaking, Custom Image, Digital Filter) Red Button (Movie Recording, One Push File Format, Preview, Focus Peaking, Custom Image, Digital Filter) AF/AE-L Button (Enable AF1, Enable AF2, Cancel AF, AE Lock)
Playback View	Single frame, Multi-image display (4/9/16/36/81 seg.), Display magnification (up to 16x, scrolling & quick magn.), rotating, histogram, bright/dark area warning, copyright display, calendar filmstrip, folder display, display, slideshow
Delete	Single image, all, select&delete, folder, instant review image
Digital Filters (Playback)	Monochrome, Extract Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Color, Tone Expansion, Sketch Filter, Water Color, Pastel, Posterization, Miniature, Soft, Starburst, Fish-eye, Slim, Base Parameter Adjustment
RAW Development	File Format (JPEG), Image Capture Settings, Lens Correction (Distortion, Lateral Chromatic Aberration), Custom Image, White Balance, Sensitivity, High-ISO NR, Shadow Correction, Resize, Cropping, Index, Movie editing, capturing a JPEG from a movie, Saving RAW file data in the buffer memory Copyright information.
Edit (playback)	
Other	

## SYSTEM REQUIREMENTS

Operating systems	PC: TBD Mac: TBD
Supplied software	Software SILKYPIX Developer Studio 3.0 for PENTAX

\* Using a new lithium-ion battery under the temperature at 23 °C, Tested in compliance with CIPA stan-