



Information

PENTAX

PENTAX Corporation
2-36-9, Maeno-cho, Itabashi-ku
Tokyo 174-8639, Japan
TEL: (81)-3-3960-5151
FAX: (81)-3-3960-5226

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PENTAX Introduces the Compact, Lightweight **istDL2* to Deliver Excellent Cost Performance and Simple Operations to Digital SLR Beginners

PENTAX Corporation is pleased to announce the marketing of the PENTAX **istDL2* lens-interchangeable digital SLR camera to offer the fun and excitement of high-quality digital SLR photography to many levels of photographers — especially first-time digital SLR users.

Developed as a proud successor to the popular **istDL*, this new digital SLR inherits many of its predecessor's popular features, including a compact, lightweight and easy-to-hold body and a simple, accessible operation system. At the same time, it provides several improvements and additions, such as an increased number of AF sensor points and eight user-friendly Scene Modes. As a result, it delivers greatly enhanced overall cost performance to its users.

PENTAX believes that the new **istDL2* is an ideal starter camera for many different users around the globe, ranging from photographic novices and family snapshot enthusiasts to current digital-compact and film-SLR users who want to take up digital SLR photograph.

This camera is not available in Europe.



Major Features

1. User-friendly automatic operations

The **istDL2* is equipped with the innovative Auto Picture Mode, which automatically and instantly selects the most appropriate Picture mode from Standard, Portrait, Landscape, Macro or Action for a given subject or situation to assure the optimum combination of aperture, shutter speed, white balance, saturation, contrast, and sharpness. In addition, the built-in auto flash automatically pops up in dimly lit or backlit situations. As a result, even first-time digital SLR users can immediately produce high-quality digital images with minimal effort.

2. Simple, accessible operation system

The **istDL2* features a functional, easy-to-access operation system to simplify complicated camera operations. From the large, easy-to-use mode dial and the responsive Av/Tv select dial to the multi-function four-way controller, all switches and dials are designed and laid out for optimum accessibility and maneuverability. Coupled with its ergonomically designed, easy-to-hold grip, it assures smooth, flawless operation at every stage of photography.

3. Auto sensitivity setting

Like many digital compact cameras, the **istDL2* features an “AUTO” position for sensitivity setting. In this position, the camera’s sensitivity is automatically set by the camera, based on such factors as subject brightness and lens focal length, while the user can randomly select the upper limit of sensitivity between the standard output of 400 and 3200. This position is extremely useful to avoid camera shake in poorly lit locations and to prevent sensitivity resetting failures by the photographer.

4. Large 2.5-inch color LCD monitor

The **istDL2* incorporates a large, high-precision 2.5-inch color LCD monitor on its back panel. With approximately 210,000 pixels, this monitor displays recorded images sharply and beautifully for effortless confirmation of focus and composition, even when the original image is enlarged by 12 times using the digital zoom capability. To maximize the benefit of this large monitor, the menus are displayed on-screen with large characters and digits for easy, quick confirmation. The menu screen also provides an optimum color scheme between menu descriptions and background to assure effortless menu reading under all types of lighting conditions.

5. Compact, go-anywhere body

The **istDL2* offers a compact, lightweight body for outstanding portability and maneuverability, thanks to such advanced downsizing technologies as a high-rigidity stainless-steel chassis, 10-layer electronic circuit boards, high-density packaging technology, and mirror-box and shutter units that are designed in perfect proportion to

the CCD size. By combining a compact, lightweight penta-mirror with PENTAX-original optics and focusing screen, it provides a large, bright viewfinder image for easy confirmation of the subject's expression and picture framing.

6. High-definition, maximum-gradation images with 6.1 effective megapixels

Thanks to its large, high-performance CCD image sensor (23.5mm by 15.7mm), the **istDL2* offers 6.1 effective megapixels. Coupled with PENTAX's original image processing technology using a high-performance engine, it produces high-definition images rich in gradation and saturation. It also offers a choice of finishing touches between "bright" and "natural" to satisfy user preferences.

7. User-friendly guide screen

The **istDL2* features a user-friendly, multi-data guide screen, which offers detailed description of shooting modes, displays drive, flash and white balance settings using text and sample photos, and presents a comprehensive list of all camera settings on the large 2.5-inch monitor.

8. High-precision 5-point AF system

The **istDL2* incorporates a five-point wide-area AF system (SAFOX VIII with five cross-type sensors) to assure dependable, high-precision autofocusing. Using the five sensors positioned in a cross pattern over the image field (one in the middle, two at sides, and two at top and bottom), this system automatically and unfailingly selects the optimum sensor for a given subject. It also allows the user to fix the AF detection point at the middle sensor. In addition, the **istDL2* offers a choice of two AF modes: Single AF to lock the focus when the shutter release button is half-depressed, and Continuous AF to adjust the focus continuously to the subject's movement.*

* The AF-mode switching function is available only when the Programmed AE, Shutter-Priority AE, Aperture-Priority AE, Metered Manual or Bulb shooting mode is selected. In the Auto Picture Mode, Picture Mode or Scene Mode, either the Single AF or Continuous AF mode is automatically selected by the camera according to the mode in use.

9. Eight Distinctive Scene Modes

The **istDL2* offers eight different Scene Modes (Kids, Pets, Candlelight, Museum, Night Scene, Surf & Snow, Text and Sunset) to simplify camera operations for particular subjects or certain situations. The user can easily and quickly set the most appropriate Scene Mode for a given subject or situation by selecting the corresponding icon on the mode palette displayed on the LCD monitor.

10. Two preview functions

In addition to the conventional optical preview function, which allows the photographer to confirm the depth of field in the viewfinder, the **istDL2* also comes equipped with a new digital preview function, which allows confirmation of not only the depth of field, but also the exposure level, image composition and flash lighting effect, on the LCD monitor.

11 . 1/4000-second high-speed shutter

The **istDL2* incorporates a high-speed shutter unit, with a top speed of 1/4000 second and a top synchronization speed of 1/180 second, to assure greater visual creativity. The bulb setting is also available to accommodate extended exposures at night.

12. High-speed 2.8-frame consecutive shooting

The **istDL2* records up to five images (at “best” image quality in JPEG format) consecutively at a speed of approximately 2.8 frames per second, allowing the user to capture a series of photos of the subject’s motion.

13. Compatibility with PENTAX interchangeable lenses

The **istDL2* offers the outstanding benefit of lens interchangeability, letting the user take advantage of the wide selection of PENTAX interchangeable lenses for use with diversified subjects and applications.**

** PENTAX K-, K_A-, K_{AF}- and K_{AF2}-mount 35mm-format lenses can be used without an adapter or modification. PENTAX screw-mount 35mm-format lenses and PENTAX 645- and 67-system lenses can be used with an adapter. Some functions may not be available with certain lenses.

14. Sporty, fashionable design

The **istDL2* is designed to be sporty and fashionable, with eye-catching silver-colored edges around the shutter release button and LCD data panel on the upper panel, and the LCD monitor and four-way controller on the back panel.

13. Others

- 1) Eighteen user-programmable custom functions to personalize camera operations to user preferences
- 2) SD memory card compatibility
- 3) Storage of recorded images in separate day-by-day files on an SD memory card
- 4) Versatile three-mode metering system, with a choice of 16-segment multi-pattern metering, center-weighted metering and spot metering.
- 5) Noise-reduction system to minimize annoying digital noise during extended exposures
- 6) Dual power source, with a choice of two CR-V3 lithium batteries or four AA-size batteries
- 7) Effortless PC data upload via USB 2.0 (HIGH-SPEED) connection

- 8) Functional playback functions, including 12X zoom display and nine-image thumbnail display
- 9) A choice of image format between JPEG (good, better or best) or RAW
- 10) Five built-in digital filters (black-and-white, sepia, slim, soft and brightness) for easy processing of recorded images.
- 11) PENTAX PHOTO Laboratory 2.1 RAW-data processing software and PENTAX PHOTO Browser 2.1 browser software included
- 12) PictBridge compatibility

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*** istDL2 Specifications**

Type	TTL autofocus, auto-exposure digital SLR digital-still camera with built-in retractable P-TTL auto pop-up flash	
Effective Pixels	6.1 megapixels	
Sensor	Total pixels	6.31 megapixels Interline interface CCD with a primary color filter 23.5mm x 15.7mm
Color Depth	8 bit (JPEG) or 12 bit (RAW)	
Recorded Pixels	JPEG: [6M] 3008 x 2000 pixels, [4M] 2400 x 1600 pixels, [1.5M] 1536 x 1024 pixels RAW: [6M] 3008 x 2008 pixels	
Sensitivity	Auto, Manual (200/400/800/1600/3200:Standard Output Sensitivity)	
Recording Formats	JPEG (Exif 2.21), RAW, DCF (Design rule of Camera File system), DPOF (Digital Print Order Form), PRINT Image Matching III	
Image Formats	Compressed: JPEG - Baseline (★★★: Best, ★★: Better, ★: Good)	
Storage Media	Non-compressed: RAW SD memory card	
Lens Mount	PENTAX K _{AF} bayonet mount	
Usable Lens	PENTAX K _{AF2} , K _{AF} , and K _A -mount lenses. * Power zoom function not available. K-mount lenses usable with restrictions. S-mount lenses, 67/645 lenses usable with adapter and with restrictions.	
Focusing System	Type	TTL Phase-matching 3-point wide autofocus system (SAFOX VIII)
	Applicable illumination range	EV1 - EV19 (at Standard Output Sensitivity 200 with 50mm F1.4 lens)
	Mode	AF-single (with focus lock); Manual focus AF-continuous available* * This focus mode is available in the Auto Picture and Picture mode, only when the Action mode is selected.
Exposure Control	Metering System	TTL open-aperture 16-segment metering (coupled with lens and AF information)
	Metering Mode	(1) Multi-segment metering (2) Center-weighted metering (3) Spot metering
	Metering Range	EV 1 - 21.5 (at Standard Output Sensitivity 200 with 50mm F1.4 lens)
	Modes	(1) Auto Picture mode (2) Picture mode (3) Scene mode (4) Program AE (5) Shutter-Priority AE (6) Aperture-Priority AE (7) Metered Manual (8) Bulb Portrait, Landscape, Macro, Action, Night scene portrait, Standard Flash-Off
	Picture mode	Night Scene, Surf&Snow, Text, Sunset, Kids, Pet, Candlelight, Museum
	Scene mode	
	Exposure Compensation	±2 EV (1/2EV steps or 1/3EV steps)
	Auto-bracketing	3 frames within range of ±0.5EV, ±1.0EV, ±1.5EV (0.5EV steps) or ±0.3EV, ±0.7EV, ±1.0EV (0.3EV steps)
Digital Filter	B&W, Sepia, Soft (three-level amount adjustable), Slim, Brightness (at playback mode)	
White Balance	Auto, Daylight, Shade, Cloudy, Tungsten Light, Fluorescent Light (W, D, N), Flash, Manual setting	
Shutter	Type	Electronically controlled vertical-run focal plane shutter
	Speed	1/4000 - 30 sec. and bulb
Drive Modes	Single-frame advance, continuous advance, self-timer, auto bracket and remote control Approx. 2.8 fps, JPEG (up to 5fps), RAW (up to 3fps.)	
Viewfinder	Type	Fixed molded penta-mirror type
	Focusing screen	Natural-Bright-Matte II focusing screen
	Field of view	96%
	Magnification	0.85X (with 50mm F1.4 lens, infinity, -1m ⁻¹)
	Diopter adjustment	-2.5 - +1.5m ⁻¹
Viewfinder Indication	(1) AF frame; (2) Spot AF frame	
Viewfinder LCD Indication	(1) Flash information; (2) Picture mode (Standard, Portrait, Landscape, Macro, Action, Night scene portrait); (3) Scene mode (SCN); (4) In-focus; (5) Shutter speed; (6) Aperture value; (7) Exposure compensation factor; (8) Manual white balance; (9) Manual focus; (10) Sensitivity warning; (11) Auto exposure lock signal; (12) AF.C (AF-continuous)	
Mode Dial Indication	(1) Auto Picture mode; (2) Portrait mode; (3) Landscape mode; (4) Macro mode (5) Action mode; (6) Night scene portrait mode; (7) Standard Flash-Off mode; (8) Scene mode; (9) Program AE; (10) Shutter-Priority AE; (11) Aperture-Priority AE; (12) Metered Manual; (13) Bulb	
External LCD Panel Indication	(1) Shutter speed; (2) Aperture value; (3) Flash Information (Auto, Flash-On, Flash-Off, Red-eye reduction); (4) Single frame advance/Continuous advance; (5) Self-timer; (6) Remote control; (7) Metering Information; (8) Focus point indicator; (9) Auto bracketing; (10) AUTO/ manual white balance information; (11) Battery information; (12) Exposure compensation factor; (13) Exposure frame number	
LCD Monitor	2.5 inch, low-temperature polysilicon TFT color LCD monitor (Approx. 210,000 pixels)	
Built-in Flash	Type	Built-in retractable P-TTL auto pop-up flash
	Guide number	15.6 (Standard Output Sensitivity 200/m)
	Angle of view coverage	28mm wide-angle (equivalent to 35mm)
Flash Synchronization	With RTF and via hot shoe Sync speed: 1/180 sec. set automatically with RTF or PENTAX dedicated flash unit at recharge completion	
Self-timer	Electonically controlled type with two-second or 12-second delay. Cancellation possible.	
Preview Method	Digital Preview/Optical Preview	
Custom Function	18 custom-programmable functions available	
Main switch	(1) ON; (2) OFF; (3) Preview	
Time	World Time	72 cities (28 time zones)
Language	English, French, German, Spanish, Swedish, Netherlandish, Italian, Russian, Korean, Chinese (Traditional/Simplified), Japanese	
PictBridge	Print mode	Single image print, All images print, DPOF auto print
Interfaces	USB 2.0 (HI-SPEED)	
Video Output	Compatible with NTSC and PAL formats	
Power Sources	Four AA (lithium, alkaline, and rechargeable Ni-MH) batteries, two CR-V3 lithium batteries. Optional AC adapter also available.	
Dimensions	125(W) x 92.5(H) x 67(D)mm (4.9 x 3.6 x 2.6 inches)	
Weight	550g (19.4oz.) loaded and ready with two CR-V3 lithium batteries and SD memory card 565g (19.9oz.) loaded and ready with four AA batteries and SD memory card 470g (16.6 oz.) without battery and SD memory card.	

***istDL2**

Storage capacity

Recorded Pixels	RAW	JPEG								
	3008 x 2008	3008 x 2000			2400 x 1600			1536 x 1024		
Quality Level		★★★	★★	★	★★★	★★	★	★★★	★★	★
128MB	11	34	70	117	51	96	161	106	173	271
256MB	22	78	149	242	111	201	330	220	354	549
512MB	46	167	311	498	234	415	674	453	722	1115
1G	90	330	607	966	459	807	1397	880	1397	2151

System requirements

PENTAX PHOTO Browser 2.1 / PENTAX PHOTO Laboratory 2.1

PC

OS	Windows Me, 2000, and XP HomeEdition/Professional
CPU	Pentium III or later (Pentium 4 or later)
Memory capacity	Over 256MB (Over 512MB)
Hard disk capacity	Over 250MB (Over 500MB)
Language	English, French, German, Spanish, Italian, Russian, Korean, Chinese (Traditional / Simplified), Japanese

Macintosh

OS	Mac OS 9.0 or later installed
CPU	POWER PC G3 or later (G4 1.0GHz or later)
Memory capacity	Over 256MB (Over 512MB)
Hard disk capacity	Over 250MB (Over 500MB)
Language	English, French, German, Spanish, Italian, Russian, Korean, Chinese (Traditional / Simplified), Japanese

For smooth operation, suggested system requirements are shown in parentheses.

USB

PC

OS	Windows Me, 2000, or XP HomeEdition/Professional
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Macintosh

OS	Mac OS 9.01 or later with CarbonLib 1.5 or later
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