

# PENTAX

## ZX-7



### Pentax introduces the “SMART” ZX-7 Autofocus SLR

- **User-friendly smart picture mode with illumination mode dial:** When the smart picture mode is selected, the ZX-7 automatically chooses the most appropriate auto exposure mode from five different programs based on the photographic situation. The ZX-7 detects the subject's distance, lens focal length and whether or not the subject is in motion; assuring the best possible results. The illumination mode dial clearly indicates which program is selected by the camera—even in the dark. The selected mode is also indicated in the viewfinder display.
  - **Multi-mode exposure system:** In addition to the hands-off smart picture mode, the ZX-7 offers six manually selectable picture modes, two conventional auto exposure modes (aperture-priority AE and shutter priority AE), the metered manual and bulb modes.
  - **Reliable six-segment metering:** The ZX-7's six segment multi-pattern metering system assures optimum results even under difficult lighting conditions. When Pentax M, K, and S series lenses are used, the camera automatically switches to the center-weighted metering system.
  - **Versatile wide-frame autofocus with focus prediction:** Thanks to the acclaimed high-precision, high-speed phase matching autofocus (SAFOX IV) system, the ZX-7 assures sharp, crisp focus even under poor lighting conditions. The three-point wide focus frame enables pinpoint focus. Under low-lighting conditions, the built-in auto flash assists the AF system to ensure pinpoint focusing by making a brief flash discharge. The predictive autofocus function automatically activates when the camera detects the subject's motion, and predicts the subject's position at the moment of shutter release for accurate focusing.
  - **Multi-function auto pop-up flash:** Covering a wide 28mm angle of view, the built-in auto flash pops up and automatically discharges when the camera detects low-light and/or backlight situations. Its red-eye reduction function effectively reduces this effect which can appear in the subject's eyes (although it may not eliminate red eyes completely in all instances). The flash unit also makes a brief discharge in the dark to assist the camera's AF system.
  - **Convenient remote control mode:** The ZX-7 is the first model in the Pentax ZX series to offer a convenient infrared remote control mode for instant or three-second-delay remote shutter release using the optional remote control unit.
  - **Large, easy-to-read LCD panel with automatic illuminator:** The ZX-7's multi-data LCD panel, with large icons and numbers, efficiently compliments the camera's simple operation system. When the camera is used under low-lighting conditions, a green LCD illuminator brightens the panel to make data confirmation easier.
  - **Full information display and diopter adjustment mechanism:** Thanks to the renowned natural bright matte focusing screen, the ZX-7's viewfinder offers a sharp, clear view of the subject under all circumstances. Its LCD display provides a full range of information, including the automatically or manually selected picture mode and exposure compensation. It even comes with automatic brightness control for easy data confirmation. The diopter adjustment mechanism built into the viewfinder eyepiece allows adjustment of the viewfinder image to match the user's eyesight, between  $-2.0m^{-1}$  and  $+1.0m^{-1}$ .
  - **Easy-setting exposure compensation:** Using the exposure compensation button, the photographer can set the desired compensation value between  $+3EV$  and  $-3EV$  in  $1/2EV$  steps.
  - **Memory lock:** With a single push on the memory lock button, the camera memorizes the metered exposure value for approximately 20 seconds, during which the photographer is free to re-frame the image at will.
  - **Creative multiple exposure:** With a simple push on the drive mode button, the user can make two exposures on the single frame to create eye-catching images. When taking three or more exposures on the same frame, the photographer simply presses the multiple exposure button after each exposure.
- \* **Panorama format:** The user can select the panorama mode for any frame to capture dramatic landscape images or large group shots. The viewfinder image is automatically adjusted to indicate the panorama format.

# PENTAX

## ZX-7



1. Built-in Pop-up Flash
2. Main Switch
3. Select Switch
4. Shutter Release Button
5. Drive Mode Button
6. Flash Mode Button
7. LCD Panel
8. Diopter Adjustment Lever
9. Hot Shoe
10. Illuminated Mode Dial
11. Strap Lug
12. Back Cover Release Lever
13. Mid-roll Rewind Button
14. Exposure Compensation Button
15. Focus Mode Switch
16. Lens Lock Button (located on side of camera body)
17. Remote Control Receiver
18. Release Socket
19. Battery Chamber
20. Tripod Socket
21. Film Information Window
22. Flash Mode Button
23. Viewfinder Eyepiece
24. Panorama\* Lever
25. Memory Lock Button

**Ordering Information:**

01364 ZX-7  
01369 ZX-7 Date

**UPC Codes:**

027075047136  
027075047167

## Specifications

### Type

TTL autofocus, auto-exposure multi-mode 35mm SLR with built-in retractable TTL auto pop-up flash.

### Film

35mm perforated cartridge film.

### Image Size

24x36mm (normal frame).  
Approx. 13x36mm (panorama frame).

### Lens Mount

Pentax KAF bayonet mount compatible with KAF2, KA and K mounts.

### Usable Lenses

Pentax KAF2-, KAF, KA- and K-mount lenses.

### Focusing System

Type: TTL phase-matching 3-point autofocus system (SAFOX IV).

- Usable illumination range: EV-1 ~ EV18 (at ISO 100 with f/1.4 lens).
- Mode: (1) AF (focus lock and predictive AF available); (2) Manual.

### Exposure Control

- Metering system: TTL open-aperture 6-segment metering by SPD cell.
- Metering Mode: (1) 6-segment multi-pattern metering with FA, F and A lenses; (2) Center-weighted metering with other lenses.
- Metering range: EV0~EV21 (at ISO100 with f/1.4 lens).
- Exposure mode: (1) Auto Picture Mode (Green Operation, Portrait Program, Landscape Program, Close-Up Program, and Action Program); (2) Picture Mode (five Auto Picture programs plus Night Scene Program); (3) Aperture-priority AE and Shutter-Priority AE; (4) Metered Manual; (5) Bulb.
- TTL programmed auto pop-up flash available.
- Automatic exposure compensation in auto-exposure mode with multi-pattern metering.
- Exposure compensation: ±3EV (1/2 EV steps).
- Memory lock: 20-second memory with ML button.

### Shutter

- Type: Electronically controlled vertical-run focal plane shutter.
- Speed: (1) Auto: 1/2000~ 30 sec. (stepless); (2) Manual: 1/2000~30 sec. (1/2 EV step) and bulb; (3) Flash sync: 1/100~30 sec. and bulb.
- Shutter lock: Main switch at "OFF" position.

### Diaphragm Control

Aperture-coupled mechanism (with Pentax FA, F and A lenses).

### Viewfinder

- Type: Fixed molded penta-mirror type.
- Focusing screen: Natural-Bright-Matte focusing screen.
- Field of view: 92% vertically/horizontally.
- Magnification: 0.7x (with 50mm f/1.4 lens at infinity).
- Diopter: -2.0 ~ +1.0m<sup>-1</sup> (adjustable).
- Panorama frame: Mechanical black-out type.

### Viewfinder LCD Indication (with automatic brightness level adjustment)

(1) In-focus; (2) Smart Flash status (flash-use indication, recharge completion and non-applicable lens warning); (3) External flash status; (4) Shutter speed and aperture value, exposure compensation, and out-of-exposure coupling range warning; (5) Green Operation, Portrait Program, Landscape Program, Close-Up Program, Action Program and Night-Scene Program; (6) Exposure compensation factor; (7) Bar-graph; (8) Over and underexposure indication in Metered Manual; (9) Memory Lock Signal.

### LCD Panel Indication (with automatic illuminator):

(1) Film loading, film advance/rewind, loading error; (2) Exposure frame number; (3) Shutter speed and aperture value; (4) Manual-set ISO film speed; (5) Exposure compensation; (6) Audible PCV signals; (7) Flash use recommendation and recharge completion; (8) Red-eye reduction flash; (9) Non-applicable lens warning; (10) Battery exhaustion warning; (11) Auto pop-up flash function; (12) Self-timer; (13) Instant and 3-sec. delay remote control; (14) Single, consecutive shooting; (15) Multiple exposure.

### Film Handling

- Loading: Quick auto loading (automatic film advance to first frame).
- Advance/rewind: Automatic (mid-roll rewind possible.)
- Advance mode: (1) Single; (2) Consecutive (approx. 2 frames/sec.).

### ISO Film Speed Setting

(1) Automatic with DX-coded film (ISO 25~5000). (2) Manual (ISO 6~6400).

### Built-in Smart Flash

- Type: Series-control retractable TTL auto pop-up flash.
- Guide number: 11 (ISO 100/m).
- Angle-of-view coverage: 28mm wide-angle lens.
- Daylight sync/slow-shutter sync: Discharge level automatically adjusted.

### Flash Synchronization

With built-in auto pop-up Smart Flash and via hot shoe.

- Sync speed: 1/100 sec. automatically set with built-in flash and/or Pentax dedicated flash unit at recharge completion.

### Self-timer

Electronically controlled type with 12-second delay (Mid-operation cancellation possible).

### Optional Remote Control

Infrared wireless remote control. Instant or 3-second delay release provided.

### Drive Mode

(1) Single advance; (2) Consecutive advance; (3) Self-timer; (4) Instant and 3-second delay remote control; (5) Multiple exposure.

### Date Imprinting

Available using the optional Pentax Data Back FG.

### Power Source

Two 3V lithium batteries (CR2 type).

### Dimensions

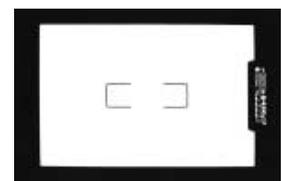
5.3" (W) x 3.6" (H) x 2.5" (D)  
(135.5mm x 92.0mm x 63.5 mm)

### Weight

13.4 oz. (380g) without batteries.



ZX-7 LCD Panel



ZX-7 Viewfinder



ZX-7 Enlarged Viewfinder Indicator