

PENTAX

MZ-S

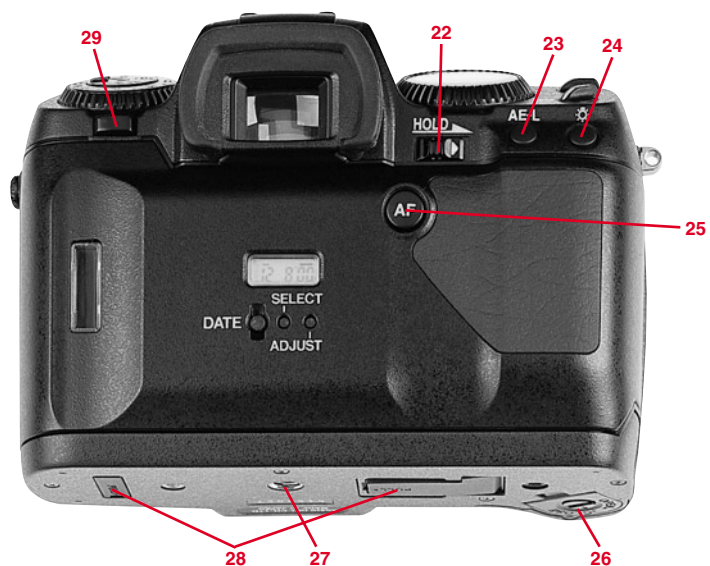


Introducing the MZ-S professional...the new flagship of the Pentax SLR line

- Slanted top panel allows easy viewing of settings either from above or behind
- Large, analog dials with electronic precision for easy adjustments with visual verification on LCD panel—one dial adjusts shutter speeds, autofocus points, ISO film speeds and custom Pentax functions; another dial adjusts exposure compensation, auto bracketing, and more with one touch
- Hyper Operation control allows instant mode-changing from Programmed Auto Exposure to Shutter-Preferred Auto Exposure, or from Aperture-Preferred Auto Exposure to Metered Manual Exposure modes, with just one turn of the main dial
- SAFOX VII high-performance autofocus; six AF sensors automatically select the focus point in auto mode; any one sensor can be selected manually in spot mode; predictive AF function in servo mode
- High-speed flash synchronization up to 1/6000 sec. with built-in flash or with new AF360FGZ wireless TTL flash unit
- AF360FGZ wireless flash unit allows multiple flash units to be controlled without cords and with TTL flash exposure; contrast control flash settings give multiple contrast levels
- Illuminated LCD panel inside circular main control dial provides camera status info; slanted top panel allows viewing from multiple angles
- Viewfinder display groups shutter, aperture, mode and focus settings at bottom; exposure and metering info on right side for full information without distracting attention from the image
- Electronic depth-of-field preview control concentric with shutter release allows fast, convenient preview
- Six-segment light metering provides three metering modes for exact exposure control: Multi-pattern, center-weighted, and spot
- Body components made from a lightweight, extra-strong die-cast magnesium alloy
- Data recording imprints complete exposure information directly on the film: Roll number, ISO setting and data imprinting brightness setting are printed on the film leader; exposure mode, metering mode, shutter speed, aperture value, exposure compensation value, use of the auto bracketing function, and use of the multiple exposure function are printed above each frame (outside image area, between image frame and sprocket holes)
- 19 Pentax Functions are user-customizable, including exposure, autofocus, flash, film rewind, self-timer, remote, data imprinting, dial control and audible signal functions
- Interchangeable focusing screens provide customized viewing options
- Built-in PC connection for use with studio flash
- KAF2 lens mount accepts the large assortment of Pentax lenses
- Illuminated lens mount index allows easy lens changes in low light
- Main on-off switch and depth of field preview switch are concentric with the shutter release button for fast response time

PENTAX

MZ-S



1. Main/Preview Switch
2. Shutter Release Button
3. Strap Lug
4. Drive Mode Button
5. Metering Mode Switch
6. LCD Panel
7. Select Dial
8. Hot Shoe
9. Diopter Adjustment
10. Flash Pop-up Button
11. Auto Bracketing Dial
12. Exposure Compensation Dial
13. Strap Lug
14. Exposure Mode Button
15. Self-timer Lamp
16. PC Sync Terminal
17. Cable Release Socket
18. Back Cover Release
19. Mid-roll Rewind Button
20. Flash Function Button
21. Focus Mode Switch
22. Shutter Speed Hold Switch
23. AE Lock Button
24. LCD Illuminator Button
25. AF Button
26. Battery Chamber Cover
27. Tripod Socket
28. Battery Grip Contacts
29. Lock Release Button

Ordering Information:
01385 MZ-S Date

UPC:
027075050488

Specifications

Type

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

Film

35mm perforated DX-coded cartridge film.

Image Size

24mm X 36mm.

Lens Mount

Pentax KAF2 bayonet mount, compatible with KAF, KA and K-mount. Lens mount index lamp function available.

Usable Lenses

Pentax KAF2, KAF, KA and K-mount lenses. (Autofocus possible with KA- and K-mount lenses using AF adapter).

Power zoom system (with Pentax FA zoom lenses):

- Type: Power-assisted zooming by motor built in lens.
- Functions: (1) Manual zoom; (2) Power zoom. (3) Auto lens retraction with the power OFF (only with FA, FA power zoom).

Focusing System

- Type: TTL phase-matching 6-point autofocus system (SAFOX VII)
- Applicable illumination range: EV1~EV18 (at ISO 100 with F1.4 lens)
- Modes: (1) AF-single (with focus-lock function) (2) AF-Sevo (with predictive AF mode); (3) Manual focus

Exposure Control

- Metering system: TTL open-aperture 6-segment metering. (Coupled with lens and AF information.)
- Metering range: EV0~EV21 (at ISO 100 with f/1.4 lens).
- Mode: (1) Programmed AE Mode (2) Shutter-Priority AE Mode (3) Aperture-Priority AE Mode (4) Metered Manual (5) Bulb.
- TTL programmed auto flash available.
- Exposure compensation: $\pm 3EV$ (1/2EV steps).
- AE Lock: 20-second AE lock with AE lock button.
- Auto-bracketing: 3, 2 or 5 frames with range of $\pm 1/2EV$ or $\pm 1EV$

Shutter

- Type: Electronically controlled vertical-run focal-plane shutter.
- Speed: (1) Program AE Mode, Aperture-Priority AE Mode: 1/6000 seconds ~ 30 seconds (stepless); (2) Shutter-Priority AE Mode: 1/6000 seconds ~ 30 seconds and bulb; (3) Flash sync: 1/180 seconds-30 seconds and bulb.

Diaphragm Control

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

Viewfinder

- Type: Pentaprism.
- Focusing Screen: Interchangeable Natural-Bright-Matte focusing screen.
- Field of view: 92% vertically/horizontally.
- Magnification: 0.75X (with 50mm f1.4 at infinity, diopter position -1m⁻¹).
- Diopter adjustment: -2.5~ +1.5m⁻¹ (adjustable).

Viewfinder LCD Indication (with automatic brightness level adjustment)

(1) Tv (shutter speed) value; (2) Av (aperture) value; (3) Exposure compensation; (4) Bar graph; (5) Flash information; (6) Focus point indicator; (7) In-focus; (8) AE Lock signal; (9) Autofocus frame; (10) Spot metering frame.

LCD Panel Indication

- Type: multi-data LCD type with EL (electro-luminescence) illuminator.
- Data: (1) Exposure mode (programmed AE mode, shutter-priority AE mode, Aperture-priority AE mode, metered manual mode; (2) Film loading, film advance/rewind and loading error warning; (3) Exposure frame number; (4) Shutter speed and/or aperture value; (5) Manual-set film speed; (6) Audible PCV signal; (7) Auto flash function; (8) Flash use recommendation and recharge incomplete/complete; (9) Red-eye reduction flash; (10) Wireless flash mode; (11) High-speed sync mode; (12) Pentax function; (13) Imprinting exposure data information; (14) Audible PCV signal; (15) Battery exhaustion warning.

Film Handling

- Loading: Quick auto loading (automatic film advance to first frame).
- Advance/rewind: Automatic (mid-roll rewind possible).
- Advance mode: Depends on drive mode (approximately 2.5 frames/seconds)

Film Speed Setting

(1) Automatic with DX-coded film (ISO 25~5000), (2) Manual (ISO 6~6400 in 1/3EV steps).

Built-in Flash

- Type: Series-control retractable TTL flash (RTF).
- Guide number: 12 (ISO 100/m).
- Angle-of-view coverage: 28mm wide-angle lens.

Flash Synchronization

With RTF and via hot shoe.

- Sync speed: 1/180 seconds set automatically with RTF or Pentax dedicated flash unit at recharge completion.

Self-timer

Electronically controlled type with 2 or 12 seconds delay (cancellation possible).

Drive Mode Switch

(1) Single advance, (2) Consecutive advance, (3) Self-timer, (4) Multiple exposure

Pentax Function

19 custom-programmable functions.

Photographic Data Imprinting

Data imprinted out of image area. (1) Total number of film rolls; (2) ISO film speed; (3) Exposure mode; (4) Metering system; (5) Shutter speed; (6) Aperture; (7) AE Lock

Data Imprinting

Five-mode switchable: "Year-Month-Day", "Month-Day-Year", "Day-Month-Year", "Day-Hour-Minute" and blank.

Power Source






Two 3V lithium batteries (CR2 type).

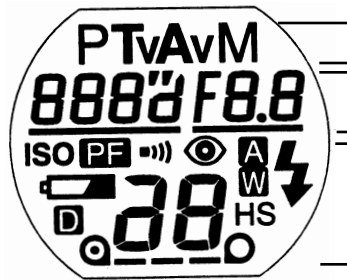
Dimensions and Weight

5.4" (W) x 3.7" (H) x 2.5" (D)
(136.5mm x 95.0mm x 64.0mm)
18.3 oz. (520g) without batteries.

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- P** Programmed AE Mode
- Tv** Shutter-Priority AE Mode
- Av** Aperture-Priority AE Mode
- M** Metered Manual Mode
-  Red-eye Reduction Flash Indication
- A** Automatic Flash Information
-  Flash Status Information
- W** Wireless Flash Mode
- HS** High-Speed Sync Mode
- ISO** Manual-set Film Speed
- PF** Pentax Function
-  Audible PCV Signal
-  Battery Exhaustion Warning
- D** Imprinting Exposure Data Information
-  Film Status Information



Exposure Mode

The exposure mode is indicated. It can be set to P (Programmed AE), Tv (Shutter-Priority AE), Av (Aperture-Priority AE), or M (Metered Manual).

Shutter Speed/Aperture Display

The shutter speed and aperture are indicated.

Other Indications

The ISO film speed, low battery warning, flash firing status, frame counter, and other information are displayed.

Pentax Functions

- F1: Enables/disables the audible PVC focus signal
- F2: Sets the exposure program line (sets to normal, high shutter speed, depth of field, or MTF program lines)
- F3: Sets the number of auto bracketing exposures (can be set to three, two, or five exposures)
- F4: Sets the auto bracketing sequence
- F5: Links AF and AE at the focus point (exposure can be taken at point of focus or not)
- F6: Sets both auto focusing and auto exposure metering with the AF button (AF button activates autofocus only or both autofocus and auto exposure)
- F7: Film speed set method (DX coded film speed can be set automatically or manually)
- F8: Determines the focus state in the focus positions (sets whether a contiguous focus point is used when the camera is unable to use the selected focus point)
- F9: Enables shutter release before the built-in flash is ready
- F10: Sets the built-in flash's function during wireless operation (sets whether the built-in flash is used as a flash or only as a wireless controller)
- F11: Sets the illumination button's function during wireless operation (sets the illumination button to fire a test or modeling flash during wireless flash operation)
- F12: Sets the film rewind mode (sets whether film is rewound completely, the leader is left out, or the leader is left out and MRC function enabled)
- F13: Sets the film rewind method (sets whether film is rewound automatically or manually)
- F14: Sets the self-timer delay time (sets self-timer function for 12 second delay or 2 second delay with mirror lock-up)
- F15: Sets the film speed for imprinting data (allows data imprinting function to be set automatically or manually for the film speed)
- F16: Sets exposure and/or focus by pressing shutter release button half way down (sets whether pressing shutter button half way locks exposure only or exposure and focus)
- F17: Sets the select dial's rotating orientation (sets select dial to advance numerically clockwise or counter clockwise)
- F18: Enables/disables the lens mount index lamp
- F19: Sets the remote control shutter release time (sets shutter release to immediate or 3-second delay when using remote)