

New Accessories for the MZ-S

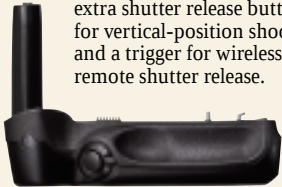
AF360FGZ dedicated flash unit

Newly developed to optimize the MZ-S's capabilities, this TTL auto flash unit has a guide number of 119 (at ISO100/ft.) and, in combination with the MZ-S, offers such advanced features as high-speed flash synchronization, wireless remote control operation and trailing shutter-curtain synchronization.



BG-10 battery grip

Powered by four AA-sized batteries, this powerful grip can be easily attached to the MZ-S's bottom section and offers an extra shutter release button for vertical-position shooting and a trigger for wireless remote shutter release.



CS-105 & CS-130 cable switches

These electronic cable switches offer single-action installation to and removal from the MZ-S.



TS-110 release timer switch

This versatile cable switch also functions as a multi-mode timer, allowing the user to set a starting time for timer operation and an exposure duration for bulb shooting.



Specifications

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

Film: 35mm perforated cartridge DX-coded film.

Image Size: 24mm x 36mm.

Lens Mount: Pentax K_{AF2} Bayonet mount, compatible with K_{AF}, K_A and K Mount. Lens mount index lamp function available.

Usable Lenses: Pentax K_{AF2}-, K_{AF}-, K_A- and K-mount lenses.

Power Zoom System (with Pentax FA zoom power lenses):

- Type: Power-assisted zooming by motor built in lens.
- Zoom speeds: 3 speeds adjustable by zoom ring.
- Functions: (1) Power zoom; (2) Manual zoom; (3) Auto lens retraction with the power OFF.

Focusing System:

- Type: TTL phase-matching 6-point selective autofocus system (SAFOX VII).
- Applicable illumination range: EV-1 ~ EV18 (at ISO100 with F1.4 lens).
- Modes: (1) AF Single (with focus-lock function); (2) AF Continuous (with Predictive AF mode); (3) Manual focus.

Exposure Control:

- Metering system: TTL open-aperture 6-segment metering (coupled with lens and AF information).
- Meter range: EV0 ~ 21 (at ISO 100 with F1.4 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: ~3EV (1/2EV steps).
- AE Lock: 20-second AE lock with AE lock button.
- Auto-bracketing: 2, 3 or 5 frames within range of ~1/2EV or ~1EV.
- Multiple exposure: no limit for number of frames.

Shutter:

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

Diaphragm Control:

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

Viewfinder:

- Type: Fixed 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: (1) In-focus; (2) Flash information (flash-use recommendation, recharge completion, non-applicable lens warning and external flash status); (3) Tv (shutter speed) value, Av (aperture) value, exposure

compensation and out of meter coupling-range warning; (4) Bar graph; (5) Focus point indicator; (6) AE Lock signal; (7) Auto focus frame; (8) Spot metering frame.

LCD Panel Indication:

- Type: multi-data LCD type with EL (Electro-Luminescence) illuminator.
- Indication: (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) Battery exhaustion warning.

Film Handling:

- Loading: Quick auto loading (automatic film advance to first frame).
- Advance / rewind: Automatic (mid-roll rewind possible).
- Advanced mode: (1) Single; (2) Consecutive (approx. 2.5 frames / sec.).

Film Speed Setting: (1) Automatic with DX-coded film (ISO25 ~ ISO5000); (2) Manual (ISO6 ~ 6400 in 1/3EV steps).

Built-In Flash:

- Type: Series-control retractable TTL auto flash (RTF)
- Guide Number: 40 (ISO 100/ft.).
- Angle-of-view coverage: 24mm wide-angle lens.

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: Electronically controlled type with 2 or 12 seconds delay. Cancellation possible.

Drive Mode: (1) Single advance; (2) Consecutive advance; (3) Self-timer; (4) Multiple exposure.

Pentax Functions: 19 custom-programmable functions.

Photographic Data Imprinting: Data imprinted outside of image area.

- Recordable data: (1) Total number of film rolls; (2) ISO film speed; (3) Information of imprinting density; (4) Exposure mode; (5) Metering Mode; (6) Shutter speed; (7) Aperture; (8) Exposure compensation value.

Date 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: 5.4" (W) x 3.7" (H) x 2.5" (D)
(136.5mm x 95.0mm x 64.0mm)

Weight: 18.3 oz. (520 g)

- * Design and specifications are subject to change without notice.
- * It is strongly recommended that you read the entire operation manual before operating this camera.
- * PENTAX and SMC are registered trademarks of Asahi Optical Co., Ltd. registered at U.S. Patent and Trademark Office.

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PENTAX

The Pentax MZ-S Pentax's Answer for Ultimate Maneuverability



- ⦿ A highly maneuverable body with a slanted control panel.
- ⦿ A hybrid control system combining digital and analog operations.
- ⦿ Advanced multi-pattern metering and six-point AF system.
- ⦿ A multi-function built-in auto flash and a versatile flash system.
- ⦿ On-the-film data imprinting and electronic depth-of-field preview.
- ⦿ 19 Custom-adjustable Pentax Functions.
- ⦿ A magnesium-diecast body housing for strength and durability.

MZ-S

The New Flagship of Pentax 35mm SLR Cameras Offers the Perfect Harmony of Performance and Maneuverability

The Pentax MZ-S is designed to ensure optimum performance in a wide variety of photographic situations, so its users can produce images exactly the way they intended. Its hybrid control system combines the benefits of swift, multi-functional digital operation with the advantages of user-friendly, easy-to-manuever analog operation. It incorporates a host of advanced features which are designed to simplify complicated photographic techniques, including a sophisticated autofocus system and a versatile flash system. All these features are packed into an innovatively designed, highly maneuverable body. The Pentax MZ-S is today s most technologically advanced 35mm SLR camera, offering unmatched maneuverability.

Camera Operation

A drastically slanted control panel

The MZ-S's top panel is slanted 30 degrees toward the photographer, so that all the settings can be confirmed at a quick glance with a slight shift of the eye from the viewfinder.



An instant shift of exposure modes

The photographer can select the desired exposure mode (Programmed AE, Aperture-Priority AE, Shutter-Priority AE and Metered Manual) using the select dial for shutter-speed control and the lens aperture ring for aperture setting. The manually selected shutter speed can be quickly shifted back to computer-selected speed with a single press of the exposure mode button. Vital photographic data is displayed in the LCD panel (with an EL illuminator), which is conveniently positioned inside the select dial.



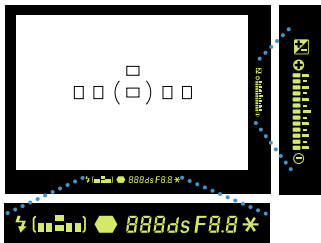
Simple-to-use exposure compensation and auto bracketing

The exposure compensation dial on the left shoulder offers the benefits of simple analog operation. This dial allows the photographer to easily couple exposure compensation with auto bracketing and to confirm the resulting auto bracketing values at a quick glance.



Full-information viewfinder display

The viewfinder display offers primary photographic data at the bottom, and exposure-compensation data and a manual exposure pointer along the right side. As a result, the photographer can concentrate on framing and shutter opportunities without taking the eye from the viewfinder. The display even comes equipped with an illuminator for shooting at night or in the dark.



Auto bracketing dial
Exposure compensation dial



Autofocus

SAFOX VII with wide focus frame

The MZ-S's new six-point autofocus system offers a wide focus frame, so the photographer can capture subjects in crisp focus even when positioned far away from the center of the image field. It offers a choice of AF Single, AF Continuous and Manual focusing. In addition to a conventional half press of the shutter release button, the photographer can also use the AF lock button to activate or lock the focus system.

Manually selectable focus point

In the autofocus mode, the camera pinpoints the focus on the closest subject. For special applications, however, the photographer can select one of the six focus points using the AF point selector and the select dial. The selected focus point is indicated at the bottom of the viewfinder.

Cameras Offers Maneuverability

Other Features

Auto flash

Stored in the pentaprism section, the built-in auto flash offers reliable TTL (Through-The-Lens) operation and a variety of user-friendly features, including red-eye reduction function, as well as programmed flash mode in which both aperture and shutter speed are automatically selected.

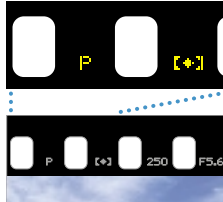


Film winding

The built-in film winder automatically advances the film by a single frame or consecutively at the speed of approximately 2.5 frames per second, then rewinds it at the end. It also provides a film loading error warning and an end-of-film warning. The electronic self-timer can delay shutter release by two or 12 seconds. The two-second mode can be used like a cable switch since the mirror is automatically locked at the top for a vibration-free shutter release. The photographer can also take advantage of the creative multi-exposure function to produce eye-catching images.

On-the-film data imprinting

In addition to data imprinting of date or day and time in the image area using an optional data back, the MZ-S allows the photographer to imprint important photographic data — such as total number of film rolls, ISO film speed, information of imprinting density, exposure mode, metering mode, shutter speed, aperture value, and exposure compensation value, directly onto the film's blank area.



Rigid magnesium-diecast body

The major components of the MZ-S's body housing, such as top, bottom and front panels and flash section, are made of magnesium diecast material. As a result, the MZ-S offers outstanding reliability and durability even under most demanding conditions.

More distinguished features

- Interchangeable Natural-Bright-Matte focusing screens for a clear, bright viewfinder image. The MZ-S comes with the standard GF-60 AF Frame Matte screen. The optional GG-60 Cross-Lined Matte screen is also available.
- Electronic depth-of-field preview.
- Illuminated lens mount index for easy lens changes in the dark.
- Diopter adjuster to match the viewfinder image to the photographer's eyesight.

Pentax Functions

These 19 custom-adjustable functions allow the users to customize the MZ-S to their liking:

- Activation or termination of audible PCV signals.
- Selection of four different program lines.
- Number of auto bracketing frames (two, three or five frames).
- Order of auto bracketing frames (±0 basis, ascending order or descending order).
- Selection of auto-exposure and autofocus correlation (priority of metered values in multi-pattern metering).
- Activation or termination of a link between autofocus lock and exposure lock functions.
- A sensitivity level of the film.
- Selection of focus point follow-up function (adjacent focus point is activated or not when the middle point cannot confirm in-focus).
- Permission or prevention of shutter release before the built-in flash is fully recharged.
- Selection of the built-in flash's function in the wireless remote control mode (use as a main flash or controller when combined with the optional AF360FGZ flash unit).
- Selection of the LCD illuminator button's function in the wireless remote control mode (no pre-emission, use for test emission or use for modeling emission when combined with the optional AF360FGZ flash unit).
- Selection of the film leader's handling during film rewind (complete rolling into the cartridge, or leaving the leader out of the cartridge when the film is rewound at the end or in mid-roll).
- Selection of rewind operation at film end (rewind is started automatically or manually).
- Selection of the self-timer's operation time (two or 12 seconds).
- Selection of an imprinting density for on-the-film data recording (from four levels).
- Selection of the functions with a half press on the shutter release button (both the metering and autofocus systems are activated, or only the metering system).
- Selection of the Select dial's turning direction.
- Selection of the lens mount index's illuminator (turned on or off).
- Setting of the delay time of a shutter release and the signal reception stand-by time when using an infrared remote controller. (These functions are available only when the optional BG-10 battery grip is mounted on the MZ-S).

Exposure Control

Acclaimed six-segment multi-pattern metering

The MZ-S's advanced six-segment multi-pattern metering system ensures accurate exposure control even under complicated lighting conditions. Using the metering mode switch on the top panel, the photographer can also select the center-weighted or spot metering mode with great ease. The AE lock button on the back panel locks the exposure settings instantly, while the exposure compensation dial on the left shoulder offers quick, easy exposure compensation.

Electronic shutter with a top speed of 1/6000 second

The electronically controlled focal-plane shutter offers shutter speeds from 1/6000 to 30 seconds with a flash synchronization at 1/180 second. Its wide shutter-speed range and reliable operation are especially useful in specialized applications.