

PENTAX
A RICOH COMPANY

PENTAX MX-1



MX-1

4x optical zoom 28-112mm *35mm equivalent

High-quality, wide-aperture smc PENTAX lens

Effective resolution: Approx. 12 megapixels

High sensitivity: ISO 12800

Tiltable 3.0-inch LCD with approximately 920K dots

Sensor-shift Shake Reduction (SR)

Full HD (1920 x 1080) movies

Brass top/bottom plates



Focal length 30mm (35mm equivalent), Shutter speed 1/20sec, Aperture F4.0, White balance Daylight, ISO sensitivity 200, Exposure compensation -0.7EV

Classic Look. Exceptional Performance.
Featuring a high-quality wide-aperture lens for bright, stunning images, and the brass covers for the comfortable feel of a well-built tool.

PENTAX MX-1



Classic Black



Classic Silver





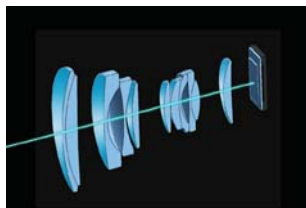
Focal length 78mm (35mm equivalent), Shutter speed 1/100sec, Aperture F2.8, White balance Auto, ISO sensitivity 200, Exposure compensation -0.3EV



Focal length 32mm (35mm equivalent), Shutter speed 1/160sec, Aperture F5.0, White balance Daylight, ISO sensitivity 100, Exposure compensation -0.3EV

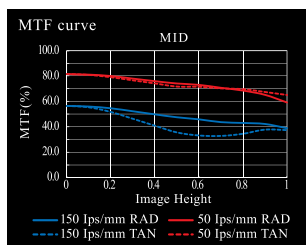
Wide-aperture lens with range of F1.8-2.5 and 4× optical zoom

The 4× optical zoom lens has a focus range equivalent to 28-112mm in 35mm format, making it ideal for everyday use. With a range of F1.8-2.5, this bright, wide-aperture lens performs well in dim lighting and produces beautiful bokeh backgrounds.



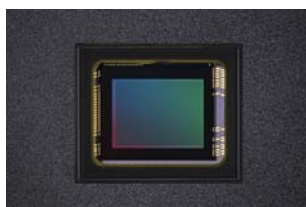
Uncompromising optics

The four-element aspherical lens corrects for various optical aberrations, ensuring a sharp, high-resolution image quality across the entire image. Exceptional imaging rendition is achieved throughout the zoom range, from wide angle to telephoto, with minimal ghosting and flaring.



12-megapixel, 1/1.7-inch CMOS sensor

The back-illuminated 1/1.7-inch CMOS sensor provides excellent optical efficiency, a maximum sensitivity of ISO 12800, and a wide dynamic range.



User-friendly features

The large, high-resolution 3.0-inch monitor with approximately 920,000 dots can be tilted up or down for easy viewing when shooting from difficult angles. Separate dials for mode selection and EV compensation enable direct control, while straightforward menu screens provide the same excellent user-friendliness found on PENTAX digital single-lens reflex cameras.



Classic, elegant design

The refined design is reminiscent of a classic silver-halide film camera. With top and bottom covers fashioned from brass, the camera body acquires a more handsome, seasoned look the longer you use it. The aluminum lens ring and other metal parts enhance the solid and luxurious feel of the camera, inspiring you to go out and shoot.



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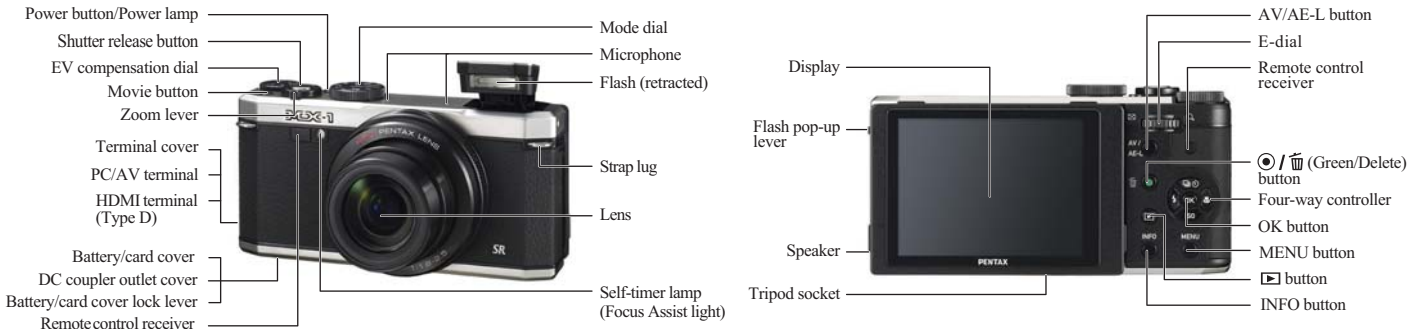
Additional features

- Dual Shake Reduction (Sensor-shift SR & Pixel Track SR) ○Dual-axis electronic level gauge (horizontal/vertical)
- Full HD (1920 x 1080) movie shooting ○Simultaneous RAW + JPEG image recording
- In-camera RAW development ○“SILKYPIX Developer Studio 3.0 LE for PENTAX RICOH IMAGING” software included
- 1cm Macro shooting ○5 types of Custom Image settings for finishing touches ○High dynamic range (HDR) shooting
- Auto picture (automatic scene mode selection) ○Wide selection of digital filters
- Auto focus with face detection and subject tracking



PENTAX MX-1 Optional Accessories

Waterproof remote control (O-RC 1)



PENTAX MX-1 Main Specifications

Lens	smc PENTAX zoom lens, 11 elements in 8 groups (4 aspherical elements)	
Focal Length	6.0 - 24mm	
35mm equivalent focal length	28 - 112mm	
Aperture	F1.8- F2.5	
Zoom	Optical Zoom	4 ×
	Digital Zoom	approx. 1.95 ×
	Intelligent Zoom	approx. 5.2 × at 7M, approx. 7.8 × at 3M (including optical zoom)
Motion Blur Reduction	Still	Sensor-Shift-Type (SR: Shake Reduction), Dual (SR & Pixel Track SR), High-sensitivity anti-shake mode (Digital SR)
	Movie	Movie shake reduction mode (Movie SR)
Focus	Type	Auto, Spot, Tracking, AF Select (25 Points)
	Focus Range (From lens face)	Standard:0.4m - infinity (whole zoom area), 1.31 ft - infinity (whole zoom area) Macro: 0.05 - 0.5m (at wide setting), 0.2 - 0.5m (at tele setting), 0.16 - 1.64ft (at wide setting), 0.66 - 1.64ft (at tele setting) 1cm Macro: 0.01 - 0.2m (at wide setting), 0.03 - 0.66ft (at wide setting) Infinity-landscape, Manual Focus, Pan Focus, AF Point switching: available
Face detection	Face Detection AF&AE is available at all mode. 32 people at most. Smile Capture. Blinking Detection.	
Pet detection	Detect up to 1 pet's face (auto or select from pre-registered three faces)	
Number of Effective pixels	approx. 12 megapixels	
Image Sensor	1/1.7 type CMOS	
Number of Recorded pixels	Still	JPEG: [4:3]12M,7M,5M,3M [16:9]9M,5M,3M,2M [3:2] 10M,6M,4M,2M [1:1]9M,5M,3M,2M RAW (DNG)
	Movie	1920, 1280
Sensitivity (Standard Output Sensitivity)	Auto, Manual (ISO 100 - 12800)	
Display	3.0-inch tiltable LCD with approx. 920K dots AR Coating (Can be lowered down to approx. 45° or raised upward to approx.90°)	
Exposure Control	Metering System	Multi-segment metering, Center-weighted metering, Spot metering
	Exposure Compensation	±2EV (1/3EV steps)

Scene modes	Auto Picture, Green, Movie, Program, Aperture Priority, Shutter Priority, Manual, USER, HDR, Scene modes (Portrait, Flower, Landscape, Blue Sky, Sunset, Night Scene, Handheld Night Snap, Night Scene Portrait, Candlelight, Fireworks, Food, Surf & Snow, Pet, Kids, Sport, Digital SR, Text, Candid Capture, Digital Wide, Digital Panorama, Miniature)	
Playback modes	Slideshow, Image Rotation, Stretch Filter, Small Face Filter, HDR Filter, Collage, Digital Filter (B&W, Sepia, Toy Camera, Retro, Color, Extract Color, Color Emphasis, High Contrast, Starburst, Soft, Fish-eye, Brightness, Miniature, Slim, Invert Color Filter), RAW Development (Aspect Ratio, JPEG Recorded Pixels, JPEG Quality, Custom Image (Bright, Natural, Vibrant, Distortion Correction), Original Frame, Movie Editing, Red-eye Edit, Resize, Cropping, Image Copy, Protect, DPOF, Start-up Screen	
Shutter Speed	1/2000 sec. - 1/4 sec., max. 30 sec. (1/8000 sec. - 30 sec. with Shutter Priority, Aperture Priority, Manual Exposure, and combination of electronic shutter enabled), Bulb	
Built-in flash	Modes	Flash-on and Flash-off modes. "Red-eye" reduction function employs a pre-discharge. Low-speed synchro, Low-speed synchro+Red-eye, Trailing Curtain Sync
	Flash Range	Wide: approx. 0.4 - 12.2 m (ISO Auto) approx. 1.31 - 40 ft (ISO Auto) Tele: approx. 0.4 - 8.8 m (ISO Auto) approx. 1.31 - 29 ft (ISO Auto)
Drive Modes	One shot, Continuous Shooting, Burst Shooting (L/H), Self-timer, Remote Control, Auto Bracketing	
Storage Media	Built-in memory (approx. 75.3 MB), SD/SDHC/SDXC Memory Card	
Power Source	Rechargeable D-LI106 lithium-ion battery, Optional AC adapter kit is also available	
	Battery life	Still*: Approx. 290 shots (Rechargeable Lithium-ion battery) Playback**: Approx. 280 min. (Rechargeable Lithium-ion battery)
Dimensions	approx. 122.5 (W) × 60 (H) × 51.5 (D) mm (excluding the operation parts and protrusion.) approx. 4.8 (W) × 2.4 (H) × 2.0 (D) inches (excluding the operation parts and protrusion.)	
Weight	With battery & SD card	approx. 391g (loaded and ready) approx. 13.8 oz.
	Body	approx. 363g (without battery and SD memory card) approx. 12.8 oz.

* Recording capacity shows approximate number of shots recorded during CIPA-compliant testing.

Actual performance may vary depending on operating conditions.

** According to the result of PENTAX in-house testing.

PENTAX MX-1 Approximate Image Storage Capacity and Recording Time

Still	12M[4:3] (4000×3000)			10M[3:2] (3984×2656)			9M[16:9] (3968×2232)			9M[1:1] (2992×2992)			7M[4:3] (3072×2304)		6M[3:2] (3072×2048)		5M[4:3] (2592×1944)		5M[16:9] (3072×1728)		5M[1:1] (2304×2304)	
	RAW	Fine	Nomal	RAW	Fine	Nomal	RAW	Fine	Nomal	RAW	Fine	Nomal	Fine	Nomal	Fine	Nomal	Fine	Nomal	Fine	Nomal	Fine	Nomal
Built-in memory	3	12	25	3	15	30	3	17	34	3	17	34	20	47	25	47	30	58	25	58	25	58
2GB	82	326	653	86	391	778	88	435	865	88	435	865	516	1205	653	1205	778	1499	653	1499	653	1499

Still	4M[3:2] (2592×1728)		3M[4:3] (2048×1536)		3M[16:9] (2560×1440)		3M[1:1] (1936×1936)		2M[3:2] (2016×1344)		2M[16:9] (2048×1152)		2M[1:1] (1536×1536)	
	Fine	Nomal	Fine	Nomal	Fine	Nomal	Fine	Nomal	Fine	Nomal	Fine	Nomal	Fine	Nomal
Built-in memory	30	76	47	94	38	76	38	76	47	126	47	126	76	126
2GB	778	1921	1205	2364	975	1921	975	1921	1205	3235	1205	3235	1921	3235

*RAW shows the image storage capacity when JPEG Quality is Fine.

Movie	1920 (1920×1080)		1280 (1280×720)	
	No. of Frames	30fps	60fps	30fps
Built-in memory	36sec.	36sec.	36sec.	58sec.
2GB	16min.29sec.	16min.29sec.	26min.13sec.	

*The maximum length is 25 minutes for movie.

*The maximum length is 15 sec for High Speed Movie mode.