

PENTAX

A RICOH COMPANY

THE EXPERT COMPACT CAMERA**ADVANTAGES****High Image and Video Quality**

1/1.7" Back-illuminated 12 MP CMOS sensor for detailed and colorful images

Bright 4X wide-angle zoom lens F1.8-2.5 (eq. 28-112mm in 35mm), ideal for low-light shooting, high-quality image definition, and beautiful bokeh effect.

Sensor-shift Shake Reduction for sharp, blur-free images

ISO up to 12800 for remarkable high-sensitivity and low-noise

Full HD movie H.264, micro HDMI terminal

Full control

PASM modes

RAW (DNG) format and In-body RAW development

Large 3" tilt-able LCD monitor, high definition (920 000 dots), for easy viewing of images and menu

25 AF points individually selectable

Dedicated movie recording button

USER modes

Retro design and High-class finish

Design of film-camera of the 70-80's (PENTAX SLR MX -1976)

Metallic lens ring

Brass top and bottom panels for a distinctive appearance after years of use

**MX-1**

MX-1 **Classic Black** 12621
EAN code 0027075225176

MX-1 **Classic Silver** 12632
EAN code 0027075225282

Dimensions 122.5 x 60 x 51.5 mm
Weight 363g

OPTIONAL ACCESSORIES

Rechargeable battery



Battery charger



AC Adapter



Leather Case



Remote Control



USB Cable

Code Art.

Rechargeable battery Li-Ion D-LI106	39863
Battery charger K-BC106	39867
AC adapter K-AC130	xxxxx
Remote Control F	37377
AV Cable I-AVC7	39552
USB Cable I-USB	39551

SUPPLIED ACCESSORIES

USB Cable I-USB7
Rechargeable battery Li-Ion D-LI106
Battery charger D-BC106
AC plug cord D-CO24E
Strap O-ST130
Lens cap O-LC130
Software S-SW130

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SENSOR

Nb of pixels	Approx. 12 megapixels
Total pixels	Approx. 12.76 megapixels
Sensor size	1/1.7" CMOS
Image size*	JPEG: [4:3] 12M(4000x3000), 7M(3072x2304), 5M(2592x1944), 3M(2048x1536) [16:9] 9M(3968x2232), 5M(3072x1728), 3M(2560x1440), 2M(2048x1152), [3:2] 10M(3984x2656), 6M(3072x2048), 4M(2592x1728), 2M(2016x1344), [1:1] 9M(2992x2992), 5M(2304x2304), 3M(1936x1934), 2M(1536x1536) (Unit: pixels), RAW
Quality level	Fine, Normal
Sensitivity**	Auto, Manual (ISO 100 - 12800) ISO 100-200, ISO 100-400, ISO 100-800, ISO 100-1600, ISO 100-3200, ISO 100-6400, ISO 100-12800
Shake Reduc°	Sensor-shift Type (SR : Shake Reduction), Dual (SR & Pixel Track SR), High-sensitivity anti-shake mode (Digital SR)

LENS

Focal length	6.0 - 24mm, approx. 28-112mm in 35mm
Aperture	F1.8(W) - 2.5(T)
Construction	11 elements in 8 groups (4 aspherical elements)
Optical zoom	4x
Digital zoom	Approx. 1.95x
Intelligent zoom	Approx. 5.2x at 7MP, approx. 7.8x at 3MP (including optical zoom)

LCD SCREEN

Display type	TFT color LCD, with protection acrylic cover, 170° viewing
Type	3.0-inch tiltable LCD with approx. 920K dots AR Coating (Can be lowered down to approx. 45° or raised upward to approx. 90°)
LCD frame rate	approx. 30fps

FILE FORMATS

Photo Format	RAW(DNG), JPEG (conforms to Exif 2.3), conforms to DCF 2.0, DPOF, PRINT Image Matching III
Video format	MPEG-4 AVC / H.264

MEMORY

External memory	Compatible with SD/SDHC/SDXC Memory Card
Built-in memory	approx. 75.3 MB

FOCUSING

Type	TTL contrast detection auto focus system
Focus options	Infinity-landscape, Manual Focus, Pan Focus, AF Point switching: available Auto, Spot, Tracking , AF Select(25 Points)
AF points	
Standard	0.4m - infinity (whole zoom area),
Macro	0.05m - 0.5m (at wide setting), 0.2- 0.5m (at tele setting)
1cm Macro	0.01m - 0.2m (at wide setting)
Manual focus range	0.01m - infinity (Depends on the zooming steps)
AF Assist Lamp	Available

EXPOSURE CONTROL

Metering System	Multi-segment metering, Center-weighted metering, Spot metering
Shutter speeds	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
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, Fire works, Food, Surf&Snow, Pet, Kids, Sport, Digital SR, Text, Candid Capture, Digital Wide, Digital Panorama, Miniature)
Expos. compensa°	± 2EV (1/3EV steps)

DIMENSIONS AND WEIGHT

Dimensions	approx. 122.5(W)×60(H)×51.5(D)mm (excluding the operation parts and protrusion.)
Weight	363g unloaded, 391g loaded and ready

* In Digital Wide mode, resolution is fixed to 5M (2592x1944) (After Merge) or fixed at 3M (2048x1536) in single frame (Before Merge)

* In Digital Panorama mode, resolution is fixed to 3M (2048x1536) per frame.

** Fixed at ISO 100-1600 in Handheld Night Snap, Green modes.

TECHNICAL SPECIFICATIONS**FLASH**

Flash modes	Flash-on and Flash-off modes. Low-speed synchro, Low-speed synchro + Red-eye, Trailing Curtain Sync., « red-eye» reduc° function employs a pre-discharge.
Flash range	Wide: approx. 0.4m - 12.2m (ISO Auto) Tele: approx. 0.4m - 8.8m (ISO Auto)

VIDEO

Movie	Shake reduction Mode (Movie SR)
Nb of recorded pixels	1920(1920 x 1080): approx. 30fps, 1280(1280 x 720): approx. 60/30fps
Video editing	Save still image , Divide Movies , Adding title picture

POWER SOURCE

Battery	Rechargeable D-Li106 Lithium-ion battery
Capacity	Still*: Approx. 290 shots (Rech. L-ion battery) Playback**: Approx. 280min (Rech. L-ion battery)
Other sources	Optional AC adapter

INTERFACES

Video output	PC /AV terminal (NTSC/ PAL), HDMI terminal (Type D)
USB	USB 2.0 (Hi-Speed)

RECORDING PARAMETERS

Drive modes	One shot, Cont. Shooting, Burst Shooting (L/H), Self-timer (10 or 2 sec, single or 3 shots), Remote Control (immediate or 3 sec), Auto Bracketing
White balance	Auto, Daylight, Shade, Cloudy, Fluorescent light (D:Daylight Color, N:Daylight White, W:Cool White, L:Warm White), Tungsten light, Flash, Manual Expo.
Dynamic Range	Shadow and highlight adjustment

OTHER FEATURES

Languages	English, French, German, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkey, Greek, Russian
Digital filters (Playback)	B&W, Sepia, Toy Camera, Retro, Color, Extract Color, Color Emphasis, High Contrast, Starburst, Soft, Fish-eye, Brightness, Miniature, Slim, Invert Color Filter
Image Tone	Bright, Natural, Vibrant, Reversal Film, Monochrome
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, Reversal Film, Monochrome), White Balance, Sensitivity, Shadow Correction, Distortion Correction), Original Frame, Movie Editing, Red-eye Edit, Resize, Cropping, Image Copy, Protect, DPOF, Start-up Screen,
Playback display	One Shot, Index (4/9/25 thumb nails), Enlarge-ment (up to 10X, scroll available), Movie Playback, Histogram, Folder display, Select&Delete, Calendar
Others	Face Detection AF&AE available at all mode (max.32 faces), smile capture, blinking detection, pet detection, detect up to 1 pet's face (auto or select from pre-registered three faces), World Time, Text Size (Standard or Large)
Date Imprint	Date, date & time, time, except Green
Start-up time	approx. 1.6 sec,
Release time-lag	approx.0.019 sec

SYSTEM REQUIREMENTS

Operating systems	PC: Windows XP (SP3), Vista™, 7 and 8 Mac: OS X 10.4 or above***
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SOFTWARE : Silkypix Developer Studio 3.0 LE for PENTAX RICOH IMAGING

* 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.

*** Supported OS must be pre-installed in PC and updated to the latest version. USB port must be standard equipped.