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PENTAX Optio M60 — A standard-class digital compact camera that supports diverse photography, with further enhanced and convenient functions to leave photography up to the camera, such as scene mode recognition from among 8 shooting scenes, the most in this series

HOYA CORPORATION PENTAX Imaging Systems Division is pleased to announce the launch of the new PENTAX Optio M60, a standard-class compact digital camera that is also lightweight and equipped with advanced basic functions. The Optio M60 can be used widely by many different kinds of people in a variety of scenes, and is equipped with the latest scene mode recognition function that allows for even more easy and convenient photography of high-quality images.

This product is the latest model in the PENTAX Optio M series of compact digital cameras highly acclaimed for their small, lightweight bodies and enhanced basic functions. In addition to a metal exterior that gives off a sense of sophistication, an optical 5X zoom, a large and easily-viewable LCD monitor, and easy-to-understand operability, the effective pixel count has been increased to approximately 10.0 megapixels. Furthermore, the Optio M60 has been finished as a model that enables for easier and more beautiful photography by leaving it up to the camera to take photos, such as through a strengthening of the face recognition function and further advancement of the convenient “Auto Picture” function unique to PENTAX, where the camera automatically detects the conditions of the subject and selects the optimal scene mode. The camera also comes in 3 different colors, allowing users to select their favorite color.

Major Features

1. Advanced Auto Picture mode that lets the camera automatically select the scene mode

Further improvements have been made in the recognition performance of the Auto Picture mode, which is a convenient function unique to PENTAX where the camera automatically selects the optimal scene mode simply when the camera is

pointed at the subject. Through the addition of Candlelight to the conventional scene modes of Landscape, Portrait, Night Scene, Night Scene Portrait, Standard, Flower, and Sport, a total of 8 scenes can be recognized with the Optio M60, which is the most in this series. It is now possible to leave everything up to the camera and take photos of a wider variety of scenes easily and beautifully.

2. High-speed Face Recognition function of approximately 0.03 seconds

The Optio M60 is equipped with the Face Recognition AF & AE function, which is useful when taking photos of people, as it automatically sets the focus and exposure. In addition to an increase in the number of faces that can be detected at once to 32 people, the detection time has also been made faster, to approximately 0.03 seconds at the fastest. The Optio M60 also comes with application functions such as Smile Capture, which automatically distinguishes smiles and takes photos, and Blinking Detection, which is a function where the camera warns the photographer if the subject blinked at the moment the shot was taken.

3. New design that pursues a sophisticated texture

The Optio M60 comes in a new design that is particular down to the texture of the detailed parts. Aluminum alloy, which has a sophisticated texture, is used for the body's exterior. Different colors are used for the decorative ring around the lens to match the body color. By using shiny, plated parts with luster for the grip and the upper surface of the body, the Optio M60 resembles a piece of accessory through its beautiful brilliance as well as its elegant design.

4. Optical 5X zoom lens

Inside a compact body that fits into the palm of a hand, the Optio M60 is equipped with an optical 5X zoom lens where an angle of view equivalent to approximately 36mm to 180mm in 35mm format can be obtained. It is now possible to zoom in further when taking photos of landscapes, commemorative photos, and portraits. The Optio M60 also comes with an Intelligent Zoom function that extends the zoom range without compromising the optical zoom's image quality, enabling for high-magnification zoom photography equivalent to a maximum of approximately 28.5X.

5. High sensitivity Digital SR mode that reduces camera shakes and subject blurring

The Optio M60 features the Digital SR (shake reduction) mode, which can reduce camera shakes and subject blurring during still-image photography. This mode automatically adjusts the sensitivity up to a maximum of ISO 6400 in accordance with the subject's brightness to permit a fast enough shutter speed to capture a sharp, clear image with little blurring.

6. Approximately 10.0 effective megapixels for high-definition images

For the Optio M60, the effective pixel count was increased to a higher definition of approximately 10.0 megapixels. In addition, clear and high-quality images are realized through a high-performance PENTAX lens. Clear prints, even of detailed areas, are possible even when photos are stretched out to large sizes.

7. Other features

- 1) Large, 2.5-inch LCD monitor of approximately 230,000 dots, with a wide viewing angle for easy viewing even from diagonal directions
- 2) Digital Wide mode merges two shots into one image in the camera for ultra-wide-angle expressions equivalent to a focal length of approximately 28mm in 35mm format
- 3) Panorama mode for composing photographs into one panoramic picture
- 4) Movie recording function with shake reduction enabling high image quality rivaling camcorders
- 5) Mode palette provides quick access to 24 shooting conditions and 15 playback mode
- 6) Frame composite function allows photographers to shoot and create images with decorative frames; 80 built-in styles to choose from
- 7) Auto-Macro allows for close-up photography as near as 10cm without changing the normal focusing mode
- 8) Date and Time imprint function for easy image categorizing
- 9) Approximately 36.5MB of built-in memory
- 10) FotoNation's red-eye compensation function for flash shots
- 11) Includes the ACDSee for PENTAX 3.0 image viewer/image management software that supports Windows Vista™
- 12) Support PictBridge, DPOF functions, Eixf Print, and PRINT Image Matching III

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Optio M60 Specifications

Number of Effective pixels		approx. 10.0 megapixels
Image Sensor		1/2.3" CCD
Number of Recorded pixels	Still	10M, 7M, 5M, 3M, 2.1M(16:9), 1024, 640
	Movie	640, 320
Sensitivity (Standard Output Sensitivity)		Auto, Fixed (ISO 64 - 6400)
Motion Blur Reduction	Still	High sensitivity shake reduction mode (Digital SR)
	Movie	Movie shake reduction mode (Movie SR)
Face recognition		Face recognition AF&AE is available at all mode. 32 people at most. Smile Capture. Blinking Detection.
Storage Media		Built-in Memory (approx. 36.5MB), SD/SDHC Memory Card
White Balance		Auto, Daylight, Shade, Tungsten light, Fluorescent light, Manual setting
Lens	PENTAX zoom lens, 8 elements in 6 groups (4 aspherical elements)	
	Focal Length	6.3 - 31.5 mm (approx. 36 - 180mm in 35mm format)
	Aperture	F3.5(W) - F5.6(T)
Zoom	Optical Zoom	5X
	Digital Zoom	approx. 5.7X
	Intelligent Zoom	approx. 5.9X at 7M, approx. 28.5X at 640 (including optical zoom)
Display		2.5"LCD , Wide viewing angle, approx. 230K dots,
Focus	Type	9-point AF, Spot AF, Auto tracking AF
	Focus Range (From lense face)	Standard:0.4m - infinity(at wide setting), 0.9m - infinity(at tele setting) 1.31ft - infinity(at wide setting), 2.95ft - infinity(at tele setting)
		Macro: 0.1 - 0.5m(at wide setting), 0.6 - 1.0m(at tele setting) 0.33 - 1.64ft(at wide setting), 1.97 - 3.3ft(at tele setting)
Infinity-landscape, Pan Focus, Manual Focus: available		
Exposure Control	Metering System	Multi-segment metering, Center-weighted metering, Spot metering
	Exposure Compensation	±2EV(1/3EV steps)
Scene modes		Auto Picture, Program, Night Scene, Night Scene Portrait, Half-length Portrait, Movie, Landscape, Flower, Portrait, Surf & Snow, Sport, Digital SR, Kids, Pet, Food, Fireworks, Frame Composite, Voice Recording, Natural Skin Tone, Candlelight, Text, Blog, Digital Wide, Digital Panorama, Green
Playback modes		Digital SR, Slideshow, Resize, Cropping, Image/Sound Copy, Image Rotation, Digital Filter(Color Filter(11 kinds), Soft Filter, Brightness Filter), Movie Edit, Frame Composite, Red-eye Compensation, Voice Memo, Protect, DPOF, Image Recovery, Start-up Screen, Face close-up playback
Shutter Speed		1/2000 - 1/4 sec. 4 sec at most (Night scene mode setting)
Built-in flash	Modes	Flash-on and Flash-off modes. "Red-eye" reduction function employs a pre-discharge. Soft Flash
	Flash Range	Wide:approx. 0.2 - 4.4m (ISO Auto) approx. 0.66 - 14ft (ISO Auto) Tele:approx. 0.6 - 2.8m (ISO Auto) approx. 1.97 - 9.2ft (ISO Auto)
Drive Modes		One shot, Self-timer, Continuous Shooting, High Speed Continuous Shooting
Power Source	Rechargeable D-LI78 lithium-ion battery, Optional AC adapter kit is also available	
	Battery life	Still*: Approx. 210 shots (Rechargeable Lithium-ion battery) Playback**: Approx. 215 min. (Rechargeable Lithium-ion battery)
Interfaces		USB2.0(Hi-Speed), AV terminal
PictBridge		Supported
Dimensions		approx. 95(W)×55(H)×23.5(D)mm (excluding the operation parts and protrusion. 20mm at the thinnest part.) approx. 3.7(W) ×2.2(H) × 0.9(D) inches (excluding the operation parts and protrusion. 0.8 inches at the thinnest part.)
Weight	Body	approx. 110g (without battery and SD memory card) approx. 3.9oz.
	With battery & SD card	approx. 130g (loaded and ready) approx. 4.6oz.

* 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.

Optio M60 Specifications

Still		Built-in Memory*	512MB	1GB	2GB	4GB
10M (3648x2736)	★★★	9	117	235	476	935
	★★	17	228	458	931	1828
	★	24	321	643	1307	2567
7M (3072x2304)	★★★	12	157	314	640	1256
	★★	22	287	575	1159	2276
	★	29	377	755	1536	3016
5M (2592x1944)	★★★	14	188	377	768	1508
	★★	27	355	711	1429	2806
	★	38	503	1007	2049	4022
3M (2048x1536)	★★★	22	293	586	1182	2320
	★★	44	570	1140	2276	4469
	★	63	816	1634	3235	6351
2.1M (1920x1080)	★★★	32	425	851	1707	3351
	★★	64	839	1679	3415	6703
	★	86	1119	2239	4391	8619
1024 (1024x768)	★★★	75	974	1950	3842	7541
	★★	122	1590	3182	6147	12066
	★	155	2014	4030	7684	15083
640 (640x480)	★★★	155	2014	4030	7684	15083
	★★	233	3022	6045	12294	24133
	★	259	3358	6717	12294	24133

Movie		Built-in Memory*	512MB	1GB	2GB	4GB
640X480 (hh:mm:ss)	30fps	0:00:34	0:07:31	0:15:02	0:30:08	0:59:09
	15fps	0:01:08	0:14:48	0:29:38	1:00:16	1:58:18
320X240 (hh:mm:ss)	30fps	0:00:55	0:11:59	0:23:59	0:48:47	1:35:46
	15fps	0:01:46	0:22:53	0:45:48	1:33:08	3:02:49

Voice recording (hh:mm:ss)	Built-in Memory*	512MB	1GB	2GB	4GB
	0:28:54	6:14:15	12:28:41	25:22:33	51:23:48

*Approx. 36.5MB

The maximum file size is 2GB for movie.

The maximum length is 24 hours for Voice recording