Information

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PENTAX Optio M30 — A standard-class, compact digital camera newly designed with an ultra-slim body and high-quality texture

PENTAX Corporation is pleased to announce the new PENTAX Optio M30, a standard-class, compact digital camera that has been redesigned in pursuit of an ultra-slim body and high texture. The Optio M30 is well-balanced with basic functions, and supports various photography scenes.

Major Features

1. New Design that Incorporates Ultra-Slimness and High-Quality Texture

The external design of the Optio M series, standard-class compact digital camera, was redesigned. By using an exclusive ultra-thin battery and miniaturizing the circuit board, the depth of the main body was able to be kept down to a mere 18 mm. A high-quality aluminum alloy texture is also used for the exterior packaging, making it finished with a sophisticated design.

2. Ultrahigh-sensitive photography

Optio M30 features "Digital SR (Shake Reduction)" mode that enables for photography with ultrahigh-sensitivity. By selecting the "Digital SR (Shake Reduction)" mode during photography, the camera automatically adjusts the sensitivity to as high as ISO 3200 to match the brightness of the subject. Even in dark locations such as indoor and night scenes, it effectively reduces camera shakes and subject blurring that occurs when the subject moves, through fast shutter speeds. It also enables for subjects that are far away, even approximately 15.5m, and in a dark location to be photographed clearly when using flash.

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3. Auto-macro function

The Optio M30 comes newly equipped with an auto-macro function that enables for close-up photography up to a minimal distance of 10 cm. The auto-macro function is a convenient function where the camera determines the distance from the subject, and even while in the normal focus mode, automatically switches the focus range to macro mode.

4. "Face Recognition AF & AE" function that is convenient when photographing people

The Optio M30 is equipped with a "Face Recognition AF & AE" function[1] that automatically detects and focuses on faces, regardless of where the people appear in the photo frame. In addition, optimal exposure settings are automatically conducted so that the areas with faces are not darkened even if there is backlighting.

[1] Available when the photography mode is "Portrait" and the camera is directed at people from the front.

5. Auto Picture mode automatically determines the best settings for the shooting conditions

The Auto Picture mode lets the camera automatically determine the shooting conditions for Landscape, Portrait, Night Scene, and Program modes and choose the optimum settings for each subject. This PENTAX original function makes photography a lot easier for users since it eliminates the necessity of making a number of individual settings.

6. High image quality

With a high resolution of 7.1 effective mega pixels and high-performance PENTAX lens, the Optio M30 realizes clear, high-quality images. Even when photos are greatly enlarged, details can be printed clearly.

7. 3X optical zoom lens

The Optio M30 features a 3X optical zoom lens with a focal range covering angles of view equivalent to those of a 38-114mm lens in 35mm format, which is ideal for a broad spectrum of subjects from landscapes, through sightseeing photographs, to portraits.

8. High-Quality Movies with Shake Reduction Function

The Optio M30 captures smooth, high-quality movies at 30 fps (frames per second) at a resolution of 640 x 480 pixles, which is comparable to movies taken with a camcorder. It is also newly equipped with the "Movie SR (Shake Reduction)" function[2], which automatically corrects camera shakes, allowing for movies to be taken more easily and without hassles.

[2] Using the "Movie SR" function results in a narrower field of view than that during normal recording.

9. Other features

(1) Auto-tracking AF continuously focusing on a moving subject

(2) Compatible with new SDHC memory cards, in addition to conventional SD memory cards

(3) World time function for 75 cities (28 time zones) worldwide

(4) Calendar Display function allows image retrieval based on the capture date

(5) Mode Palette provides quick access to 15 shooting modes and 13 playback modes

(6) Soft flash function avoids overexposure during close-up flash photography

(7) Super-Macro mode allows close-up photography as near as 5 cm

(8) Digital zooming provides up to 4X magnification

(9) Approximately 21.9 MB of built-in memory

(10) FotoNation's red-eye correction function for flash shots

(11) Includes the ACDSee for PENTAX image viewer/image management software

(12) Supports PictBridge, DPOF functions, Exif Print, and PRINT Image Matching III

Optio M30 Specifications

Effective pixels		7.1 megapixels
Sensor		7.38 megapixels (total pixels)
		1/2.5 inch interline transfer CCD with a primary color filter
Recorded pixels	Still	7M(3072×2304), 5M(2592x1944), 4M(2304×1728), 3M(2048x1536), 2M(1600x1200), 1024(1024×768), 640(640×480) pixels
		During Flame composition mode,the recoded size is fixed to 3M(2048x1536).
	Movie	640(640×480), 320(320×240) pixels
ISO Sensitivity		Auto,Fixed (ISO64/ISO100/ISO200/ISO400/ISO800/ISO1600/ISO3200)
		* The sensitivity is auto selected up to 3200 at the Digital SR mode.
File Formats	Still	JPEG(Exif 2.2),DCF,DPOF,PRINT Image Matching III
	Movie	MOV (Quick Time Motion JPEG), approx. 30fps/15fps with sound and Movie SR
		Color mode : Full color, Sepia, Monochrome
	Sound	WAV(PCM), monaural
Quality Levels	Still	★★★(Best), ★★(Better), ★(Good)
	Movie	★★★(Best), ★★(Better), ★(Good)
Storage Media		Build-in Memory (approx. 21.9MB), SD Memory Card, SDHC Memory Card
White Balance		Auto, Daylight, Shade, Tungsten light, Fluorescent light, Manual setting
Lens		PENTAX zoom lens
		Optical 3X zoom
	Focal Length	6.3mm-18.9mm (equivalent to 38-114mm in 35mm format)
	F Value	F3.1-F5.9
	Composition	6 elements in 5 groups (4 aspherical elements)
	Zoom	Electric
	Capturing Area	approx. 44mm×33mm to the fullest of LCD (at Super Macro mode)
	Lens barrier	Electric
Digital Zoom		1X - approx. 4X (up to approx.12X with optical 3X zoom)
LCD		2.5 inch, TFTcolor LCD (with back light)
		approx. 115,000 pixels
Playback		One Shot, Index (9 thumb nails), Enlargement (up to 8X, scroll available), Movie Playback, Sound Playback, Histogram, Bright and Dark portion, Folder display, Select&Delete, Calendar
	Mode Pallet	Slideshow, Resize, Trimming, Image&Sound Copy, Image Rotation, Digital Filter, Brightness Filter, Frame Composite, Red-eye Compensation, Voice Memo, Protect, DPOF
	Digital Filter	B&W, Sepia, Color Filter (6 colors), Color extract (B&W with Red, B&W with Green, B&W with Blue), Soft
Focus	Type	TTL contrast detection auto focus system
		9-point AF, Spot AF, Auto tracking AF changeable
	Still	Normal: 0.4m to infinity (whole zoom area. Tele only: 0.6m to infinity)
		1.31ft to infinity (whole zoom area. Tele only: 1.97ft to infinity)
		Macro: 0.1m to 1.0m (at wide setting)
		0.33ft to 3.3ft (at wide setting)
		Super macro: 0.05m to 0.4m
		0.16ft to 1.31ft
		Infinity-landscape mode: Infinity (whole zoom area)
		Pan focus:1.4m to infinity (at wide setting), 5.8m to infinity (at tele setting)
		4.6ft to infinity (at wide setting), 19 ft to infinity (at tele setting)
		Manual Focus: 0.1m to infinity (at wide setting), 0.6m to infinity (other than wide)
		0.33ft to infinity (at wide setting), 1.97ft to infinity (other than wide)
		* Face priority AF is auto selected at the Portrait mode.
	Movie	Normal: 0.4m to infinity (whole zoom area. Tele only: 0.6m to infinity)
		1.31ft to infinity (whole zoom area. Tele only: 1.97ft to infinity)
		Macro: 0.1m to 1.0m (at wide setting)
		0.33ft to 3.3ft (at wide setting)
		Super macro: 0.05m to 0.4m
		0.16ft to 1.31ft
		Infinity-landscape mode: Infinity (whole zoom area)
		Pan focus:0.5m to infinity (at wide setting), 2.0m to infinity (at tele setting)
		1.64ft to infinity (at wide setting), 6.6 ft to infinity (at tele setting)
		Manual Focus: 0.1m to infinity (at wide setting), 0.6m to infinity (other than wide)
		0.33ft to infinity (at wide setting), 1.97ft to infinity (other than wide)
	Focus Lock	By pressing the shutter button to the middle
Exposure Control	Metering System	TTL metering: Only Multi-segment metering
	Exposure Compensation	±2EV(1/3EV steps)
Capture modes		Green, Mode Pallet
	Mode Pallet	AUTO Picture, Program, Night Scene, Movie, Voice Recording, Landscape, Flower, Portrait, Surf&Snow, Sport, Digital SR, Kids, Pet, Food, Frame Composition

Movie	**Shooting Time**	Until the memory card becomes full
	Edit Function	NA
Shutter	**Type**	Programmed AE electronic lens shutter with CCD electronic shutter
	Speed	approx. 1/2000 sec.～approx. 4sec.
Flash	**Type**	Built-in series-control auto flash. Automatic discharge under low lighting conditions in auto modes.
	Modes	Flash-on and Flash-off modes. "Red-eye" compensation function employs a pre-discharge. Soft flash
	Effective Range	Wide：approx. 0.4m-approx. 5.5m (ISO Auto), approx. 0.4m- approx. 15.5m (at Digital SR mode)
		Tele：approx. 0.6m-approx. 2.8m (ISO Auto), approx. 0.6m-approx. 8.1m (at Digital SR mode)
Drive Modes		One shot, Self-timer (10 sec, 2 sec), Continuous
Self-timer		Electric
Clock Function	**World Time**	75 cities (28 time zones)
Power	**Sources**	Rechargeable D-LI63 lithium-ion battery, Optional AC adapter kit is also available
	Recordable Images	Approx. 230 (Rechargeable Lithium-ion battery)
	Playback Time	Approx. 330min (Rechargeable Lithium-ion battery)
Interfaces		USB/AV terminal, DC input terminal
Video Output		NTSC/PAL
PictBridge	**Printer**	"PictBridge" supported
	Modes	Single image, All images, DPOF, Paper Size, Paper Type, Paper Quality, Border
	Paper Size	Card, L, 2L, Post Card, 100x150, 4"x6", 8"x10", Letter, 11"x17", A4, A3, Printer Setting
	Paper Type	★★★, ★★, ★, Printer Setting
	Paper Quality	★★★, ★★, ★, Printer Setting
	Border	With, Without, Printer Setting
Dimensions		97(W)×57(H)×18(D)mm (excluding protrusions)
Weight	**Body**	120g (without battery and SD memory card)
	With battery & SD card	135g (loaded and ready)
Accessories		Rechargeable D-LI63 lithium-ion battery, Charger, AC cable, USB cable, AV cable, Software (CD-ROM), Strap
Languages		English, French, Germany, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkey, Russian, Thai, Korean, Traditional Chinese, Simplified Chinese, Japanese

Optio M30 Specifications

Still

	7M (3072x2304) ★★★	7M ★★	7M ★	5M (2592x1944) ★★★	5M ★★	5M ★	4M (2304x1728) ★★★	4M ★★	4M ★	3M (2048X1536) ★★★	3M ★★	3M ★	2M (1600X1200) ★★★	2M ★★	2M ★	1024 (1024X768) ★★★	1024 ★★	1024 ★	640 (640X480) ★★★	640 ★★	640 ★
Built-in memory	6	12	18	7	15	24	11	22	31	13	27	40	22	36	54	43	73	93	87	127	175
16MB	4	8	11	5	10	15	7	14	20	8	17	25	14	23	34	28	47	60	56	82	113
32MB	8	16	24	10	21	33	15	30	43	18	37	54	30	49	72	59	99	126	118	172	236
64MB	17	34	50	22	44	67	30	61	88	38	75	110	61	101	149	121	203	258	242	352	484
128MB	35	69	103	44	88	137	62	124	177	77	153	223	124	206	301	244	412	522	489	711	978
256MB	69	134	200	86	173	267	121	242	346	151	299	435	242	401	586	476	802	1016	953	1386	1906
512MB	137	267	397	171	343	530	239	479	686	299	592	863	479	795	1162	944	1590	2014	1888	2747	3777
1GB	276	535	795	343	687	1060	479	959	1374	598	1185	1727	959	1590	2325	1889	3181	4030	3778	5496	7557
2GB	558	1078	1617	698	1397	2119	975	1921	2794	1205	2364	3415	1921	3235	4728	3842	6147	7684	7684	10245	15368
4GB	1097	2117	3176	1371	2743	4162	1915	3771	5486	2366	4642	6705	3771	6352	9284	7543	12070	15087	15087	20116	30175

Movie

	640X480 30fps ★★★	30fps ★★	30fps ★	15fps ★★★	15fps ★★	15fps ★	320X240 30fps ★★★	30fps ★★	30fps ★	15fps ★★★	15fps ★★	15fps ★
Built-in memory	20s	28s	42s	41s	53s	1m22s	33s	45s	1m3s	1m3s	1m27s	2m7s
16MB	13s	18s	27s	26s	34s	53s	21s	29s	41s	41s	56s	1m22s
32MB	28s	37s	57s	55s	1m12s	1m51s	45s	1m1s	1m26s	1m26s	1m58s	2m52s
64MB	57s	1m17s	1m57s	1m53s	2m28s	3m47s	1m32s	2m4s	2m56s	2m56s	4m2s	5m52s
128MB	1m56s	2m36s	3m57s	3m50s	5m1s	7m40s	3m6s	4m12s	5m55s	5m55s	8m9s	11m51s
256MB	3m47s	5m5s	7m42s	7m28s	9m46s	14m57s	6m3s	8m11s	11m33s	11m33s	15m53s	23m6s
512MB	7m31s	10m4s	15m15s	14m48s	19m22s	29m37s	11m59s	16m14s	22m53s	22m53s	31m28s	45m46s
1GB	15m2s	20m8s	30m31s	29m37s	38m44s	59m15s	23m59s	32m29s	45m47s	45m47s	1h2m57s	1h31m33s
2GB	30m7s	40m58s	1h15s	1h15s	1h18m47s	1h53m48s	48m46s	1h4m1s	1h33m6s	1h33m7s	2h8m1s	2h50m41s
4GB	59m9s	1h20m27s	1h58m18s	1h58m19s	2h34m43s	3h43m27s	1h35m46s	2h5m41s	3h2m48s	3h2m50s	4h11m23s	5h35m8s

Voice recording

Built-in memory	17m22s
16MB	11m10s
32MB	23m26s
64MB	47m57s
128MB	1h36m57s
256MB	3h08m52s
512MB	6h14m14s
1GB	12h28m41s
2GB	25h22m33s
4GB	49h49m27s

*The continuous voice recording time is 24 hours.