Information

for your precious moments

Embargo: October 2, 2007

PENTAX Optio V10 – A standard-class, compact digital camera equipped with a large 3.0 inch LCD monitor

PENTAX Corporation is pleased to announce the PENTAX Optio V10, a standard-class compact digital camera that is equipped with a large 3.0-inch LCD monitor for enhanced usability and easy viewing. The Optio V10 is balanced with features such as 8.0 effective megapixels, 3X optical zoom and easy operations, all in a slim, lightweight body.

Main Features:

1. An ultra-slim body with a sophisticated texture

By using an exclusive slim battery and making the circuit board smaller, it is possible to realize an ultra-slim body of just 19mm even though featuring large LCD monitor. High quality aluminum alloy is also used for the outer cover, giving the camera a sophisticated texture.

2. Large, 3.0 inch easy viewable LCD monitor

The Optio V10 comes with a high resolution, a 3.0-inch LCD monitor with approximately 230,000 pixels that enables images and the text to be displayed largely and clearly. The LCD monitor has a wide viewing angle of 170 degrees from all directions, making it easy to confirm images, even when looking at the screen diagonally.

3. Digital SR(Shake Reduction)

Digital SR (Shake Reduction) mode automatically adjusts sensitivity, to as high as the ultrahigh sensitivity of ISO 3200 according to the brightness of the subjects, and effectively reduces camera shakes and subject blurring when photographing still images. With fast shutter speeds, photography with reduced blurring is available.

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

The Face Recognition AF&AE[*1] function automatically detects and focuses on faces, regardless of where the people appear in the photo frame. So, it allows you to take beautiful photograph of people easily by letting the camera determine the focus and exposure.

[*1]: Available when the photography mode is "Portrait" and "Natural Skin Tone", and the camera is directed at people from the front

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

The Auto Picture mode lets the camera automatically determines the shooting conditions for Landscape, Portrait, Night Scene, and Normal modes and choose the optimum settings for each subject. This function eliminates the necessity of making a number of individual settings.

6. 3X optical zoom and 4X digital zoom for a maximum of 12X magnification

The Optio V10 features a 3X optical zoom lens with a focal range covering angles of view equivalent to those of a 36-108mm lens in 35mm format, which is ideal for a broad spectrum of subjects from landscapes, through memorial photographs, to portraits. Such zooming power can also be combined with 4X digital zoom to achieve a total of approximately 12X zoom capability.

7. High Resolution Images

The Optio V10's 8.0 effective megapixels and high performance PENTAX lens, which precisely captures images down to the finest details, realizes to delivers high resolution photos that look sharp even at large magnifications.

8. Others
① Mode palette provides quick access to 16 shooting modes and 13 playback modes
② Record movies with Movie SR (Shake Reduction) function can deliver high quality image rivaling camcorders
③ Auto-Macro mode allows for close-up photography as near as 10cm while in the normal focusing mode
④ Auto-tracking AF continuously focusing on a moving subject
⑤ Date imprint function for easier image categorizing
⑥ Calendar Display function allows image retrieval based on the capture mode
⑦ Approximately 52.1MB of built in memory
⑧ FotoNation's red-eye correction function for flash shots
⑨ Includes the ACDSee for PENTAX 3.0 image viewer/image management software that support Windows Vista™
⑩ Support PictBridge, DPOF functions, Exif Print, and PRINT Image Matching III

◆ *PENTAX and Optio are trademarks of PENTAX Corporation.*
◆ *This product supports PRINT Image Matching III. PRINT Image Matching enabled digital still cameras, printers and software help photographers to produce images more faithful to their*

Optio V10 Specifications

Lens		PENTAX zoom lens 6 elements in 5 groups (4 aspherical elements)
	Focal Length	6.3mm-18.9mm (equivalent to 36-108mm in 35mm format)
	Aperture	F3.1-F5.9
	Digital Zoom	1X - approx. 4X(Up to approx. 12X with optical 3X zoom)
Shake Reduction	**Still**	Hi-sensitivity anti-shake mode (Digital SR)
	Movie	Movie anti-shake (Movie SR)
Focus System	**Type**	TTL contrast detection auto focus system
		9-point AF, Spot AF, Auto tracking AF
	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, Panfocus, Manual Focus: available
Face recognition		Face priority AF&AE is available at the Portorait, Natural skin tone mode.
Sensor		1/2.35 inch interline transfer CCD with a primary color filter, 8.50 megapixels (total pixels)
Effective pixels		8.0 megapixels
Recorded pixels	**Still**	8M(3264x2448), 5M(2592x1944), 4M(2304x1728), 3M(2048×1536), 2M(1600×1200), 1024(1024x768), 640(640×480) pixels * Frame Composite is fixed at 3M (2048x1536)
	Movie	640(640×480), 320(320x240) pixels
File Formats	**Still**	JPEG(Exif 2.2),DCF,DPOF,PRINT Image Matching III
	Movie	AVI (Motion JPEG), approx. 30fps / 15fps with sound Color mode : Full color, Sepia, Monochrome
	Sound	WAV(PCM), monaural
Quality Levels	**Still**	★★★(Best), ★★(Better), ★(Good)
	Movie	★★★(Best), ★★(Better), ★(Good)
Sensitivity		Auto,Fixed (ISO 50/100/200/400/800/1600/3200) * The auto sensitivity can be selected up to 3200 at the Digital SR mode
White Balance		Auto, Daylight, Shade, Tungsten light, Fluorescent light, Manual setting
LCD		3.0 inch, TFTcolor LCD, Wide viewing angle
		approx. 230,000 pixels
	Brightness level	2 steps (Economy mode and Normal mode)
Exposure Control	**Metering System**	TTL metering: Only Multi-segment metering
	Exposure mode	Picture mode, Program
	Exposure Compensation	±2EV(1/3EV steps)
Capture modes		AUTO Picture, Program, Night Scene, Movie, Voice Recording, Landscape, Flower, Natural Skin Tone, Portrait, Surf&Snow, Sport, Digital SR, Kids, Pet, Food, Frame Composition
	Auto Picture	Automatically chosen from "Landscape", "Portrait", "Night Scene" and "Normal"
	Date Imprint	*Date Imprint Available (except Green)
Playback modes		Slideshow, Resize, Trimming, Image&Sound Copy, Image Rotation, Digital Filter, Brightness Filter, Movie Edit, Frame Composite, Red-eye Compensation, Voice Memo, Protect, DPOF,
	Function	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
	Digital Effect	B&W, Sepia, Color Filter (6 colors), Color extract (B&W with Red, B&W with Green, B&W with Blue), Soft
Movie	**Shooting Time**	Until the memory card becomes full (up to 2GB)
Shutter Speed		approx. 1/2000 sec.- approx. 4sec.
Flash	**Modes**	Flash-on and Flash-off modes. "Red-eye" compensation function employs a pre-discharge
	Effective Range	Wide：approx. 0.2m to approx. 5.5m (ISO Auto) 　　　approx. 0.66ft to approx. 18ft (ISO Auto) Tele：approx. 0.6m to approx.2.9m (ISO Auto) 　　　approx. 1.97ft to approx. 9.5ft (ISO Auto)
Drive Modes		One shot, Self-timer (10 sec, 2 sec), Continuous
Storage Media		Built-in Memory (approx. 52.1MB), SD Memory Card, SDHC Memory Card
Clock Function	**World Time**	75 cities (28 time zones)
Power		Rechargeable D-LI63 lithium-ion battery, Optional AC adapter kit is also available
	Battery life	Still*: Approx. 200shots to be taken. (Rechargeable Lithium-ion battery)
		Playback**: Approx. 210min. to be taken. (Rechargeable Lithium-ion battery)
		Maximum charging time: approx. 120 min. (Rechargeable Lithium-ion battery)
Interfaces		USB (2.0 Hi-Speed)/AV, DC Input terminal
Video Output		NTSC/PAL
PictBridge	**Modes**	Single image, All images, DPOF, Paper Size, Paper Type, Paper Quality, Border
Dimensions		95.5(W)×58(H)×19(D)mm (excluding protrusions.)
Weight	**Body**	120 g (4.2 oz.):without battery and SD memory card
	With battery & SD card	140 g (4.9 oz.):loaded and ready
Accessories		Rechargeable D-LI63 lithium-ion battery, Charger, AC cable, USB cable, AV cable, Software (CD-ROM), Strap

*The number of recordable images are based on the CIPA standard measurement, but it may vary with the conditions under which the camera is used.

**Measured based on PENTAX standard and may vary depending on the condition of use.

System requirements

ACDSee for PENTAX

Windows (ACDSee for PENTAX 3.0)

OS	Windows Vista™, Windows XP,and Windows 2000
CPU	Intel Pentium3® or higher
Memory capacity	Over 256MB (512MB or higher recommended)
Hard disk capacity	Over 100MB (1GB or higher recommended)
Language	English, French, German, Spanish, Italian,Chinese[Traditional and Simplified], Korean, Russian, Japanese

Macintosh (ACDSee for PENTAX)

OS	Mac OS 9.2 (with the latest CarbonLib) , Mac OS X(Ver.10.1.2 or later)
CPU	Power Macintosh machines of 266MHz or higher
Memory capacity	8MB minimum
Hard disk capacity	6MB minimum
Language	English, French, German, Spanish, Italian, Japanese

USB

Windows

OS	Windows Vista™, Windows XP,and Windows 2000 preinstalled

Macintosh

OS	Mac OS 9.2, Mac OS X(Ver.10.1.2 or later) preinstalled

* Operation is not guaranteed on all PCs meeting the system requirements.

Optio V10 Storage

Still

	8M (3264x2448)			5M (2592x1944)			4M (2304x1728)			3M (2048X1536)			2M (1600X1200)			1024 (1024X768)			640 (640X480)		
	★★★	★★	★	★★★	★★	★	★★★	★★	★	★★★	★★	★	★★★	★★	★	★★★	★★	★	★★★	★★	★
Built-in Memory*	13	26	40	21	40	58	26	52	75	33	65	95	52	87	128	104	175	222	208	303	416
64MB	15	30	47	24	47	67	30	61	88	38	75	110	61	101	149	121	203	258	242	352	484
128MB	32	62	95	49	95	137	62	124	178	77	153	223	124	206	301	244	412	522	489	712	979
256MB	62	121	186	97	186	267	121	242	346	151	299	435	242	401	586	476	802	1016	953	1386	1906
512MB	123	239	368	192	368	530	239	479	686	299	592	863	479	795	1162	944	1590	2014	1888	2747	3777
1GB	247	479	737	385	737	1060	479	959	1374	598	1185	1727	959	1591	2325	1889	3182	4030	3778	5496	7557
2GB	503	975	1499	778	1499	2119	975	1921	2794	1205	2364	3415	1921	3235	4728	3842	6147	7684	7684	10245	15368
4GB	989	1915	2943	1527	2943	4162	1915	3771	5486	2366	4642	6705	3771	6352	9284	7543	12070	15087	15087	20116	30175

* Approximately 52.1 MB

Movie

	640X480						320X240					
	30fps			15fps			30fps			15fps		
	★★★	★★	★	★★★	★★	★	★★★	★★	★	★★★	★★	★
Built-in Memory	49s	1m06s	1m41s	1m38s	2m13s	3m16s	1m19s	1m47s	2m31s	2m31s	3m28s	5m03s
64MB	57s	1m17s	1m57s	1m53s	2m34s	3m47s	1m32s	2m04s	2m56s	2m56s	4m02s	5m52s
128MB	1m56s	2m36s	3m57s	3m50s	5m13s	7m40s	3m06s	4m12s	5m55s	5m55s	8m09s	11m51s
256MB	3m47s	5m05s	7m42s	7m28s	10m10s	14m57s	6m03s	8m12s	11m33s	11m33s	15m53s	23m06s
512MB	7m31s	10m04s	15m15s	14m48s	20m08s	29m37s	11m59s	16m14s	22m53s	22m53s	31m28s	45m47s
1GB	15m02s	20m09s	30m32s	29m38s	40m18s	59m16s	23m59s	32m30s	45m48s	45m48s	1h02m58s	1h31m36s
2GB	30m08s	40m58s	1h00m16s	1h00m16s	1h18m48s	1h53m50s	48m47s	1h04m02s	1h33m08s	1h33m08s	2h08m04s	2h50m45s
4GB	59m10s	1h20m28s	1h58m20s	1h58m20s	2h34m44s	3h43m31s	1h35m47s	2h05m43s	3h02m52s	3h02m52s	4h11m27s	5h35m16s

The limitation of the record time becomes it up to 2GB (one file).

Voice recording

Built-in Memory	41m17s
64MB	47m58s
128MB	1h36m58s
256MB	3h08m53s
512MB	6h14m15s
1GB	12h28m41s
2GB	25h22m33s
4GB	49h49m27s

*The continuous voice recording time is 24 hours.