

# Informasjon

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## PENTAX Optio V20

**Kompakt digitalkamera med stor 3.0" LCD skjerm, nyutviklet objektiv med hele 5x optisk zoom som muliggjør store forstørrelser av motivet**

### Hovedtrekk:

1. Optisk 5X zoom objektiv
2. Stor 3.0" LCD monitor for stort søkerbilde og betraktning av resultatet
3. Utstyrt med ansiktsgjenkjenning for enkel portrettering av barn og voksne
4. Avansert motivvalg for beste og enkleste innstilling for alle type motiv
5. Digital SR (bildestabilisering)
6. Toppkvalitetsbilder med 8 MB bildebrikke

- 1) Høykvalitets video
- 2) Hele 16 motivvalg og 15 visningsalternativer
- 3) Panorama instilling
- 4) Auto Makro ned til 10cm
- 5) Autofokus for bevegelige motiv
- 6) Dato på bildene
- 7) Innebygd mine på 51.1MB
- 8) Røddøye korrigering
- 9) Inkluderer ACDSsee for PENTAX 3.0 programvare supporterer Windows Vista™
- 10) PictBridge, DPOF, Exif Print og PRINT Image Matching III



Forøvrig vises til engelsk pressemelding/tekniske spesifikasjoner

Pris kr. 2 495,- inkl. mva

Leveres i sort eller sølv – april 2008

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**18. mars 2008**

## **PENTAX Optio V20 — A slim, compact digital camera equipped with a large 3.0-inch LCD monitor, newly equipped with a 5X optical zoom lens that allows for easy enjoyment of high-magnification photography**

PENTAX Corporation is pleased to announce the release of the PENTAX Optio V20, a standard-class compact digital camera that has a zoom lens with increased magnification of 5X, enabling for the user to enjoy photography with further high-magnification. Equipped with a large 3.0-inch LCD monitor in a slim and compact body with easy operations and approximately 8.0 effective megapixels, this product is the latest in the PENTAX Optio V series, which are popular for their enhanced usability and easy viewing.

### **Main Features:**

#### **1. Optical 5X zoom lens that easily allows for high-magnification photography**

Inside a compact body, the Optio V20 is newly equipped with a 5X optical zoom lens. With this lens, an angle of view equivalent to those of an approximately 36mm to 180mm lens in 35 mm format can be obtained. This allows the user to take pictures by zooming in further on landscapes, people, etc. In addition, using this lens together with the digital zoom function (approx. 1X to 5.1X) makes photography with a maximum zoom equivalent to approximately 25.5X possible.

#### **2. Large 3.0-inch LCD monitor that is easy to see**

The Optio V20 comes with a high resolution, a 3.0-inch LCD monitor with approximately 230,000 dots 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. The LCD also comes newly coated with an AR (Anti-Reflection) coat that suppresses outside light and reduces reflections. Through this coating, the monitor is even more easily viewable outdoors.

#### **3. Addition of new “Face Recognition AF&AE” that is convenient for photographing people**

The Optio V20 is equipped with the “Face Recognition AF&AE” function that automatically detects and focuses on faces, and sets the optimum exposure. In addition, the Optio V20 is also newly equipped with application functions such as the “Smile Capture” function that determines smiles and photographs them automatically and the “Blinking Detection” functions where the camera tells the user whether the people blinked when the photo was taken.

#### **4. Evolved Auto Picture mode automatically determines the best settings for the shooting conditions**

The Auto Picture mode, which is unique to PENTAX, lets the camera automatically determine the shooting conditions and choose a condition for Landscape, Portrait, Night Scene, Normal, and newly adopted Flower and Sports mode.

#### **5. Digital SR (Shake Reduction)**

Digital SR (Shake Reduction) mode reduces camera shakes and blurring of the subjects when photographing still images. The sensitivity is adjusted automatically, to as high as the ultrahigh sensitivity of ISO 6400, to match the brightness of the subjects. This enables photography with fast shutter speeds, and images with less blurs can be obtained.

#### **6. High-quality images**

Thanks to a high definition of approximately 8.0 effective megapixels and high-performance PENTAX lens, the Optio V20 realizes clear images with high quality. Even when images are enlarged, it is possible to print detailed areas clearly.

#### **7. Others**

- 1) Movie recording function with shake reduction enabling high image quality rivaling camcorders
- 2) Mode palette provides quick access to 16 shooting conditions and 15 playback mode
- 3) Panorama mode for composing photographs into 1 panoramic picture
- 4) Auto-Macro allows for close-up photography as near as 10cm without changing the normal focusing mode
- 5) Auto-tracking AF continuously focusing on a moving subject
- 6) Date imprint function for easy image categorizing
- 7) Approximately 51.1MB of built-in memory
- 8) Footaction's red-eye compensation function for flash shots
- 9) Includes the ACDSee for PENTAX 3.0 image viewer/image management software that supports 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 intentions. Some functions are not available on printers that are not PRINT Image Matching III compliant*
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## Optio V20 Main Specifications

<b>Number of Effective pixels</b>		approx. 8.0 megapixels
<b>Image Sensor</b>		1/2.35" CCD
<b>Number of Recorded pixels</b>	<b>Still</b>	8M, 5M, 4M, 3M, 2M, 1024, 640
	<b>Movie</b>	640, 320
<b>Sensitivity (Standard Output Sensitivity)</b>		Auto, Fixed (ISO 80 - 6400*) , * Digital SR mode setting
<b>Motion Blur Reduction</b>	<b>Still</b>	High sensitivity shake reduction mode (Digital SR)
	<b>Movie</b>	Movie shake reduction mode (Movie SR)
<b>Face recognition</b>		Face recognition AF&AE is available at all mode. 15 people at most. Smile Capture. Blinking Detection.
<b>Storage Media</b>		Built-in Memory (approx. 51.1MB), SD/SDHC Memory Card
<b>White Balance</b>		Auto, Daylight, Shade, Tungsten light, Fluorescent light, Manual setting
<b>Lens</b>	PENTAX zoom lens, 8 elements in 6 groups (4 aspherical elements)	
	<b>Focal Length</b>	6.3mm-31.5mm (35mm equivalent focal length approx. 36 - 180mm)
	<b>Aperture</b>	F3.5(W) - F5.6(T)
<b>Zoom</b>	<b>Optical Zoom</b>	5X
	<b>Digital Zoom</b>	approx. 5.1X
	<b>Intelligent Zoom</b>	approx. 6.3X at 5M, approx. 25.5X at 640 (including optical zoom)
<b>Display</b>		3.0"LCD, approx.230K dots , Wide viewing angle , AR coating
<b>Focus</b>	<b>Type</b>	9 point multi AF/spot AF/ Auto tracking AF
	<b>Focus Range (From lense face)</b>	Normal:0.4m (1.31ft) - infinity(at wide setting), 0.9m (2.9ft) - infinity(at tele setting) Macro: 0.1m (0.33ft) - 0.5m (1.64ft) (at wide setting), 0.6m (1.97ft)- 1.0m (3.3ft) (at tele setting) Infinity-landscape, Manual Focus, Pan Focus available
<b>Exposure Control</b>	<b>Metering System</b>	Multi-segment metering, Center-weighted metering, Spot metering
	<b>Exposure Compensation</b>	±2EV(1/3EV steps)
<b>Scene modes</b>		AUTO Picture, Program, Night Scene, Movie, Voice Recording, Landscape, Flower, Natural Skin Tone, Portrait, Surf&Snow, Sport, Digital SR, Kids, Pet, Food, Panorama, Digital Wide, Green
<b>Playback modes</b>		Digital SR, Slideshow, Resize, Trimming, Image&Sound Copy, Image Rotation, Digital Filter(Color Filter(11 kinds), Digital Filter, Brightness Filter), Movie Edit, Frame Composite, Red-eye Compensation, Voice Memo, Protect, DPOF, Image Recovery, Start-up Image Setting, Face zooming
<b>Shutter Speed</b>		1/2000 sec.- 1/4 sec. 4 sec. at most (Night scene mode setting)
<b>Built-in flash</b>	<b>Modes</b>	Flash-on and Flash-off modes. "Red-eye" compensation function employs a pre-discharge
	<b>Flash Range</b>	Wide : approx. 0.2m (0.66 ft) - approx. 4.4m (14 ft) (ISO Auto) Tele: approx. 0.6m(1.97 ft) - approx. 2.8m(9.2 ft) (ISO Auto)
<b>Drive Modes</b>		One shot, Self-timer , Continuous, Frame Composite
<b>Power Source</b>		Rechargeable D-LI78 lithium-ion battery, Optional AC adapter kit is also available
	<b>Battery life</b>	Still: Approx. 200 shots (Rechargeable Lithium-ion battery)*1
		Playback: Approx. 210 mins (Rechargeable Lithium-ion battery)*2
<b>Interfaces</b>		USB 2.0(Hi-Speed)/AV terminal
<b>PictBridge</b>		Supported
<b>Dimensions</b>		approx. 97.5 (W) ×56.5(H) ×23.5(D)mm (including lens depth )
<b>Weight</b>	<b>Body</b>	approx. 130 g (without battery and SD memory card )
	<b>With battery &amp; SD card</b>	approx. 145 g (loaded and ready )

\*1.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.

\*2.Measured based on PENTAX standard and may vary depending on the condition of use.

## Optio V20 Storage

Still		Built-in Memory*	512MB	1GB	2GB	4GB
8M	★★★	13	121	242	491	965
	★★	25	232	465	945	1856
	★	38	351	701	1429	2806
5M	★★★	20	188	378	768	1508
	★★	38	355	714	1429	2806
	★	54	503	1014	2049	4022
4M	★★★	25	236	472	960	1885
	★★	49	457	924	1862	3656
	★	69	643	1297	2561	5027
3M	★★★	31	293	590	1182	2320
	★★	61	570	1155	2276	4469
	★	88	816	1653	3235	6351
2M	★★★	51	472	943	1921	3770
	★★	83	774	1547	3073	6033
	★	121	1119	2277	4391	8619
1024	★★★	96	888	1801	3616	7098
	★★	155	1439	2873	5588	10969
	★	192	1777	3657	6830	13407
640	★★★	192	1777	3657	6830	13407
	★★	297	2747	5486	10245	20111
	★	363	3358	7100	12294	24133

Movie		Built-in Memory*	512MB	1GB	2GB	4GB	
640X480	30fps	★★★	48s	7m31s	15m10s	30m08s	59m09s
		★★	1m05s	10m04s	20m19s	40m58s	1h20m26s
		★	1m39s	15m15s	30m56s	1h00m16s	1h58m18s
	15fps	★★★	1m36s	14m48s	30m01s	1h00m16s	1h58m18s
		★★	2m10s	20m08s	40m14s	1h18m48s	2h34m42s
		★	3m12s	29m37s	1h00m57s	1h53m50s	3h43m27s
320X240	30fps	★★★	1m17s	11m59s	23m56s	48m47s	1h35m46s
		★★	1m45s	16m14s	32m42s	1h04m02s	2h05m41s
		★	2m28s	22m53s	47m20s	1k33m08s	3h02m49s
	15fps	★★★	2m28s	22m53s	47m20s	1h33m08s	3h02m49s
		★★	3m24s	31m28s	1h03m51s	2h08m04s	4h11m23s
		★	4m57s	45m47s	1h31m26s	2h50m45s	5h35m11s

Voice recording	Built-in Memory*	512MB	1GB	2GB	4GB
	40m30s	6h14m15s	12h28m41s	25h22m33s	49h49m27s

\* Approx. 51.1MB

The maximum file size is 2GB for movie.

The maximum length is 24 hours for Audio recording