

Casio lanserer tredje generasjon High Speed EXILIM kamera med forbedret brukervennlighet og design

Utstyrt med nytt brukergrensesnitt og maskinvare vil dette nye flaggskipet utnytte det beste ut av High Speed teknologien.



Bergen, 18. September, 2012 — Casio Computer Co., Ltd., lanserer i dag en ny modell i High Speed EXILIM serien av digitale kameraer — EX-ZR1000. Utstyrt med 24mm^{*1} vidvinkellinse og 12,5x optisk zoom, arver EX-ZR1000 de berømte høyhastighetsmulighetene som hver High Speed EXILIM har. Kameraet har et nyutviklet høykvalitets brukergrensesnitt og nye funksjoner som funksjonsring og vridbar LCD-skjerm for betraktelig bedre brukervennlighet, samt forbedret ytelse sammenlignet med tidligere modeller.

^{*1} Konvertert til 35mm film format

Da Casio lanserte EX-F1 i 2008 var det verdens raskeste med sine 60 bilder i sekundet.^{*2} Kameraet åpnet opp et helt nytt marked for Casio sin High Speed EXILIM teknologi, som fanger bevegelser som er for raske til å se med det blotte øye. Casio kombinerte så sin High Speed fotografering med High Speed bildebehandling og laget den nye prosessoren EXILIM Engine HS i 2010. Den nye prosessoren kom først i kameraet EX-ZR10, en modell med høyhastighet ytelse som overgikk konvensjonelle kompaktkamera med sine raske reaksjonstider og High Speed seriefotografering.

^{*2} Pr 6. Januar 2008, basert på Casio's undersøkelser blant digitalkameraer for forbrukere.

Med det nye EX-ZR1000 har Casio som mål å designe et digitalkamera som elegant fanger alle øyeblikkene som brukerne ønsker å fotografere. Utviklingen har hatt temaet "TRIPLE ZERO" og Casio har klart å lage et nytt EXILIM Engine HS system som praktisk talt eliminerer tidsintervaller, dårlig fokus og uklarhet forårsaket av kamerabevegelse. Med dette nye produktet har tredje generasjon High Speed EXILIM dukket opp.

EX-ZR1000 tilbyr muligheter for høyhastighetsfotografering med en oppstartstid på 0,99 sekunder,^{*3} høyhastighets autofokus på 0,15 sekunder,^{*4} og intervalltid mellom vanlige bilder på så lite som 0,26 sekunder.^{*5} Kameraet har ny brukervennlig og logisk menystyring, så fotograferingen

oppleves avslappende og enkelt. Andre nyheter er en funksjonsring som lar en zoome med venstre hand, grafiske indikatorer, synkronisert kontrollhjul og en LCD-skjerm som er vridbar og dermed gjør det lettere for brukere å ta bilder i forskjellige perspektiv. Til sammen gjør disse funksjonene at kameraet er enkelt og raskt å betjene.

*3, 4, 5 Camera & Imaging Products Association (CIPA) standard målinger.

Som det neste trinnet for Casio's High Speed EXILIM, er EX-ZR1000 fullt av nye opptaksmuligheter laget for å realisere TRIPLE ZERO målet. Det inkluderer høyhastighets følgefokus som automatisk fokuserer på objekter i bevegelse, til og med under seriefotografering. Casio's Alt I Fokus Makro gir bilder der alt er i fokus, fra makroforgrunn til bakgrunn. High-Speed Nattprogram er et motivprogram som eliminerer bilder med kameraristing under mørke forhold ved hjelp av seriefotografering og ISO 25600.

En jubileumspakke i anledning at EXILIM er 10år, som inneholder skinnveske med skulderstropp og EX-ZR1000, blir tilgjengelig ved lanseringen.

Resten av pressemeldingen fortsetter på engelsk:

Main Features of the EX-ZR1000

Equipped with EXILIM Engine HS Version 3 with newly developed system

The EX-ZR1000 employs a newly developed system for Casio's EXILIM Engine HS, which consists of a reconfigurable processor and a vector graphics core. The vector graphics core smoothly produces two-dimensional images, while the reconfigurable processor combines high-performance functions and high-speed processing via a dual-CPU, two parallel image processors and various other new technologies. These improvements deliver best-ever high-speed shooting capability, including 0.99-second^{*6} start-up time, 0.15-second^{*7} high-speed auto focus, and as little as 0.26-second^{*8} shooting between frames. The camera also boasts a high-quality GUI. The display is very easy to view, making for intuitive operation.

*6, 7, 8 CIPA standard compliant

Fitted with a function ring and control dial for intuitive and quick operation

Casio has remodeled the EX-ZR1000 with a new graphic user interface and synchronized hardware to enable more intuitive operation. Users can operate a Step Zoom with nine settings in addition to the regular zoom by rotating the function ring mounted around the lens. This lets users take successive shots by pressing the shutter with the right hand while zooming in and out with the left hand. The function ring also allows users to set the exposure value (EV) shift, shutter speed, manual focus, and white balance. In addition, the control dial mounted next to the LCD is synchronized with all settings shown in the display, enabling users to quickly change settings while looking at the LCD.

Camera stand and a Tilt-type LCD let users enjoy shooting from various angles

The EX-ZR1000's LCD can tilt up to 180 degrees, helping users to shoot photos from various angles as well as take self portraits with the LCD tilted at a 180-degree angle. Self portraits can also be taken when you are away from the camera by using the motion shutter, which snaps the photo in response to the subject's movements. Additionally, the built-in camera stand, which allows the user to stand the camera either horizontally or vertically, opens up even more photographic options.

Snap photography for successive shooting

Using the neck strap and the Tilt-type LCD with a fixed focus makes it easy to take snap photos without any focus time lags.

AF burst shooting keeps moving subjects in focus even while continuously shooting

Casio has accelerated the frame rate in the auto focus (AF) mode and optimized the camera's lens drive control, image sensor control and AF algorithm for parallel processing of AF operations and high-speed continuous shooting. This makes it possible to achieve AF burst shooting up to 30 frames and as fast as six frames-per-second, which makes it possible to take clear photos of moving subjects such as children and pets.

All-In-Focus Macro and Blurred Background deliver total focus control with high-speed continuous shooting

The EX-ZR1000 comes with All-In-Focus Macro, which selects only in-focus areas from continuously shot images at different focus settings to produce a composite image. This achieves photos with every area coming out in focus, from foreground subjects to far-away backgrounds, which are hard to produce using a conventional camera. Also, Casio has employed its high-speed continuous shoot technologies to create Blurred Background, an original technique for processing the background scene of a shot like the soft blur effect attainable using a single-lens reflex camera, thereby accentuating the subject of the photo. Users can select from three different processing levels of blur effects to set the background focus just as they wish.

Premium AUTO PRO function produces beautiful photos with just a press of the shutter button

The Premium AUTO PRO function automatically analyzes the shooting scene to choose the best settings and perform image processing. It automatically combines images from high-speed continuous shooting according to shooting conditions to create gorgeous photos. Users can easily take sophisticated photos at the press of the shutter button, thanks to the automatic activation of functions such as HDR technology, which combines photos of differing exposures to handle high-contrast conditions, as well as High Speed Night Scene mode for night shots and High Speed Anti Shake for high-power zoom shooting, both of which combine highly sensitive, continuously shot images, taken with camera shake kept at a minimum, to reduce noise in the resulting image. For movies, the Premium AUTO Movie function automatically analyzes the scene to choose the

best settings, by detecting people, landscapes, night scenes, macro subjects, blue skies, foliage and low light.

HDR technology faithfully reproduces images as they really appear, avoiding under- or over-exposure

With Casio's HDR technology, each press of the shutter button actually takes several shots at different exposures and instantly combines them into a single image with a high dynamic range. This minimizes over exposed or under exposed areas in the image, creating a photo that captures all the rich tonal gradation of the scene just as it appears in real life.

HS Night Shot eliminates camera shake even in dark settings

With Casio's HS Night Shot, the EX-ZR1000 detects shooting conditions and conducts high-speed burst shooting of numerous frames determined automatically with a level of light sensitivity as high as ISO 25600. High-precision positioning alignment technology suppresses any low-frequency camera shake that may not be completely eliminated by the optical Anti Shake correction function. Casio's latest image-processing technology also completely removes low-frequency color noise, which has typically been very difficult for cameras to eliminate. These technologies work together to produce beautiful photos with minimal blur, even in low-light conditions.

HDR-ART for creating artistic photos; freedom to create artistic images with ART Shot

Users can create artistic photos using Casio's HDR-ART function, which combines continuous shots with differing exposures while performing advanced analysis to locally change the intensity of contrast and color saturation. Users can now choose from a total of five different processing levels of art effects to enjoy creating more freely expressive images, as two more levels have been added to the three previously available. These two new effect levels employ state-of-the-art advanced tone mapping technology to produce impressive tonal gradation for more dynamic photos. Additionally, ART Shot offers eight different filters for creating the artistic photos of the user's preference: toy camera, soft focus, light tone, pop art, sepia, monochrome, miniature and fisheye. Users can change the color and processing levels of each filter, and can view the effect on the display and adjust the result prior to actually taking a picture. Even better, all of these filters can be used for shooting movies, too.

Capture every image with and without filter processing with a single press of the shutter

The HDR-ART function simultaneously saves both the filter-processed image and the standard photo with a single press of the shutter button.

Scenes come alive in their full expansiveness with the Wide Shot function

The EX-ZR1000 combines continuous shots taken with high-speed continuous shooting when the user is moving the camera, enabling powerful super-wide-angle shots. Users can choose wide-angle shooting modes equivalent to 14 mm or 18 mm.

Slide Panorama captures 360-degree panoramic images

The Slide Panorama function detects moving subjects and faces and adjusts them appropriately as the camera is moved, allowing users to create more natural-looking panoramic images just by panning the camera across a scene.

Multi Frame SR Zoom maintains refined image quality with exceptional clarity to a maximum zoom of 25x

The wide-angle 24 mm, 12.5x optical zoom lens offers zoom performance equivalent to a maximum of 25x optical zoom with Casio's Multi Frame SR Zoom, which actually combines a number of still images to maintain the image quality needed for high-resolution photography.

Manual shooting and Raw Image shooting mode for the enjoyment of photos taken just the way you like

There are also a variety of manual shooting features such as shutter speed priority, aperture priority, and manual exposure. The EX-ZR1000 is also equipped with a mode for saving raw images, a first for a High Speed EXILIM, made possible by the EXILIM Engine HS.

Mode dial for rapid access to shooting modes

The EX-ZR1000 is fitted with a mode dial that lets users quickly choose from 10 shooting modes, including Premium AUTO PRO, ART (which combines the HDR ART and ART Shot functions), and a Custom mode that allows the user to save favorite function settings.

Works with Eye-Fi™/FlashAir™ for wireless connection to computers and smartphones

The EX-ZR1000 is compatible with Eye-Fi™/FlashAir™, making it possible to wirelessly send photos and movies to a computer or smartphone.

EX-ZR1000 Specifications

			EX-ZR1000
Number of Effective Pixels			16.1 megapixels (/million)
Image Sensor			1/2.3-inch high-speed CMOS
Total Pixels			16.79 megapixels (/million)
File Format			RAW* ¹ , JPEG (Exif Ver.2.3), DCF 2.0, DPOF
Movies			MOV format, H.264/AVC, IMA-ADPCM (stereo)
Built-in Flash Memory (Image Area)* ²			52.2MB
Recording Media			SD Memory Card, SDHC Memory Card, SDXC Memory Card compatible
Number of Recorded Pixels			16M (4608 x 3456), 3:2 (4608 x 3072), 16:9 (4608 x 2592), 10M (3648 x 2736), 5M (2560 x 1920), 3M (2048 x 1536), VGA (640 x 480)
Movies			FHD:1920x1080 (30fps) / HD* ³ :1280x720 (15fps/20fps/30fps) / STD: 640x480 (30fps) / HS1000:224 x64 (1000fps) / HS 480 : 224x160 (480fps) / HS 240 : 512x384(240fps) / HS 120 : 640x480 (120fps) /HS 30-240 : 512x384 (30 to 240fps) / HS 30-120 : 640x480 (30 to 120fps)
Recording Capacity (Maximum Image Size Setting)			Fine: Approx. 1072 shots Normal: Approx. 1654 shots
Still Images (JPEG)			SD Memory Card 16GB* ⁴
Movies			Recording Time
SD Memory Card 16GB* ⁴			Approx. 2 hours 13 minutes. (FHD)
Maximum recording time per file: 29minutes* ^{5*6}			
Continuous Shooting Speed			30 frames per second / 15 frames per second / 10 frames per second / 5 frames per second / 3 frames per second
Lens			9 lenses in 8 groups, including aspherical lens
Construction			
F-number			F3.0 (W) to F5.9 (T)
Focal Length			f= 4.24 to 53.0mm
35mm Film Equivalent			Approx. 24 to 300mm
Zoom Ratio			12.5 x optical zoom, 25.0x Multi SR Zoom, 4x digital zoom, 199.3x maximum digital zoom (in combination with HD zoom, VGA size)
Focusing			Contrast Detection Auto Focus
Focus Modes			Auto, Macro, Super Macro, Infinity, Manual
AF Area			Intelligent, Spot, Multi, Tracking
AF assist lamp			Yes
Focus Range* ⁷ (From Lens Surface)			Approx. 5cm to infinity (W)
Macro			Approx. 1cm to 50cm (Fifth step from Widest Setting)
Super Macro			Approx. 1cm to 50cm
Infinity			Infinity
Manual			Approx. 5cm to infinity (W)
Exposure			Multi pattern, Center Weighted, Spot by imaging element
Exposure Control			Program AE, Aperture Priority AE, Shutter Speed Priority AE, Manual Exposure
Exposure Compensation			-2EV to +2EV (in 1/3EV steps)
Shutter			CMOS electronic shutter and mechanical shutter
Auto			1/4 to 1/2000 second
Premium Auto PRO			4 to 1/4000 second
Aperture Priority AE			1 to 1/2000 second
Shutter Speed* ⁸			15 to 1/2000 second (high-speed continuous shutter: up to 1/25000 second)
Shutter Speed Priority AE/Manual Focus			
Aperture* ⁹			F3.0 (W) to F7.9 (W) * ¹⁰
White Balance			Auto WB, Daylight, Overcast, Shade, Day White FL, Daylight FL, Tungsten, Manual WB
Sensitivity (SOS)* ¹¹			Auto, ISO80, ISO100, ISO200, ISO400, ISO800, ISO1600, ISO3200
Still Images			
Still images (HS Night Shot)			Maximum ISO25600
Movies			Auto
Self-Timer			10 seconds, 2 seconds, Triple Self-timer

		EX-ZR1000
Built-in Flash	Flash Modes	Auto, Flash off, Flash on, Red eye reduction
	Flash Range*12 (ISO Sensitivity : Auto)	Normal : Approx. 0.4 to 4.7m (W), approx. 0.9 to 2.4m (T)
	Flash Lighting Adjustment	+2,+1,0,-1,-2
	Flash Charge Time	Approximately 5 seconds
Recording Functions		Snapshot (Auto mode/ Premium Auto PRO mode), Snapshot by Handsfree, Snapshot by Super resolution technology(Multi Frame), High Speed Continuous shooting, Prerecord(still image), Marco, Super Marco, Self-timer, BEST SHOT, Face Detection, High Speed Movie(with sound only when 30fps of HS30-120 and HS30-240), FHD Movie, STD Movie, ART Movie, Prerecord(movie), YouTube™ Capture Mode, Blurred Background, HDR, HDR-art, Slide Panorama, Wide Shot, Best Selection, HS Night Shot, ART Shot, CMOS shift stabilization, Wind noise cut, ISO High Limit, Double(HDR ART)
Playback Functions		Playback Zoom, Multi-image Screen, Protect, Date&time Edit, Rotate, Re-size, Trimming, Copy, BGM Slideshow, Brightness, White Balance, Lighting, MOTION PRINT, Movie Editing, Continuous Shooting Multi Print, Continuous Shooting Frame Edit(DPOF Printing, Protect, Copy, Delete), Divide Group (Dividing Up a Continuous Shutter Group)
Other Functions		PictBridge, Video Output(NTSC/PAL), Auto Rotate, Create Folder, USB charge, ECO Mode
Monitor Screen		3.0-inch TFT color LCD (Super Clear LCD), 460,800 dots (960 x 480) Tilt(180 degree)
Timekeeping Functions	Date and Time	Recorded with image data
	With Time Stamp Function	Yes
	Auto Calendar	To 2049
	World Time	162 cities in 32 time zones, City name, date, time, daylight saving time
External connection terminal		USB port (Hi-Speed USB compliance, USB charging) / AV output terminal(NTSC/PAL), HDMI™*13 output(Mini)*14
Microphone		Stereo
Speaker		Monaural
Power Requirements		Rechargeable lithium ion battery (NP-130) x 1
Battery Life	Number of Shots*15	Approx. 470 shots
	Continuous Playback (Still Images)	Approx. 5 hours 20 minutes
	Actual Movie Recording Time (FHD Movie) *15	Approx. 1 hours 25 minutes
	Continuous Movie Recording Time(FHD movie) *15	Approx. 2 hours 20 minutes
Dimensions	W × H × D*15	107.5 (W) x 61.5 (H) x 36.7 (D) mm (excluding projections ; 28.0mm at thinnest point)
Weight*15		Approximately 255g (Including Battery and Memory Card*4) · Approximately 215g (Excluding Battery and Memory Card)
Bundled Accessories		Rechargeable Lithium Ion Battery (NP-130), USB-AC Adaptor (AD-C53U), AC Power Cord, USB cable, neck strap, Quick Start Guide

- 1 DNG file format is one type of RAW image file, and it is recommended by Adobe Systems Incorporated for use as a standard image file format.
- 2 Built-in memory capacity after formatting.
- 3 HD movie is only for Art mode only.
- 4 Maximum movie size per file is 4GB.
- 5 Within limits of memory and battery life.
- 6 Time per time which can be maximum recorded.
- 7 Using optical zoom causes the focus range to change.
- 8 Depending on user's setting of Camera.
- 9 Using optical zoom causes the aperture to change.
- 10 ND filter is being used.
- 11 SOS: Standard Output Sensitivity.
- 12 Range is affected by optical zoom.
- 13 HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
- 14 1080/50i output is not supported for PAL output using an HDMI™.
- 15 In accordance with CIPA (Camera and Imaging Products Association) standards.

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