

DECLARATION OF SUSAN VANDERSCHANS

I, Susan VanderSchans, declare and state as follows:

1. I am the Director Marketing Communications at Casio America, Inc. ("Casio") and have held that position for 19 years. I have personal knowledge of the facts set forth in this declaration and, if called to testify as a witness, could and would do so under oath.

2. Attached hereto as Exhibit A, bearing bates numbers CASIO000217-CASIO000220, is a true, complete, and correct copy of a press release dated July 21, 1999, for the QV-8000SX digital camera.

I declare under penalty of perjury under the laws of the United States that the foregoing is true and correct.

Executed on February 1, 2020, in Dover, New Jersey.


SUSAN VANDERSCHANS

CASIO[®] News

FOR IMMEDIATE RELEASE

www.casio.com

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CASIO INTRODUCES QV-8000SX DIGITAL CAMERA WITH 1.31-MEGAPIXEL CCD WITH OPTICAL 8X ZOOM LENS

Camera features USB cable connectability for
Easy transfer of images to a computer

DOVER, NJ, July 21, 1999—Casio, Inc., in conjunction with Casio Computer Co., Ltd., Tokyo, Japan, today introduced the QV-8000SX, a 1.31-megapixel CCD digital camera with optical 8X zoom lens that is capable of zoom up to 32X when the optical and digital zoom combination is used. The camera, which features USB cable connectability for easy transfer of images to a computer, was introduced at MacWorld that opened at the Jacob Javits Convention Center in New York City today.

The new Casio QV-8000SX comes equipped with the QV Series unique swivel lens, plus 8X optical zoom, which is equivalent to 40 to 320mm zoom on a 35mm film based camera. Its macro features allows intimate close ups – up to 1cm from the subject. Other features include a Night Scene Mode with an original image processing algorithm that eliminates noise from the image; selection between shutter speed priority and aperture priority recording; a B Mode (Bulb Mode) for keeping the shutter open up to 64 seconds; a Continuous Recording Mode for recording up to five images at an interval of about 0.25 seconds, and much more. These features make the QV-8000SX the perfect tool for just about any type of digital image recording imaginable.

■ **Bundled with automatic image transfer software**

The QV-8000SX comes bundled with Photo Loader, a program that automatically transfers images to a Windows or Macintosh computer for easy viewing. Once Photo Loader is installed, it automatically transfers images to your computer whenever you connect the camera to your computer with the special USB cable that comes with the camera, or when you load the camera's CompactFlash™ card into your computer. Images are stored in folders created for each date, and can be viewed as a list or individually, using your computer's Web browser application.

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- **Designed for quick and easy operation**
A Quick Shutter Mode has the camera ready for the next images about one second after you press the shutter release. During playback, images are scrolled at an interval of about 0.5 second, making it possible to quickly find the one you want.
- **Powerful record modes to suit a variety of subjects**
 - Landscape Mode for beautiful shots of scenery both near and far away
 - Portrait Mode that softens backgrounds so the foreground subject stands out.
 - Self-timer, Timer, and Interval Modes
- **Digital record and playback features**
 - Movie recording and playback with recording of action prior to pressing of the shutter release
 - Panorama recording and playback combines multiple images into a single panorama
- **Multi-function Remote Wired Remote Control**
The wired remote control unit included with the QV-8000SX helps to eliminate the chance of camera shake when the shutter is released. It also provides quick and easy image scrolling during playback.
- **Three metering modes**
Multi-pattern, center weighted, spot
- **Mode Memory**
Stores power saving and other settings in memory when camera power is turned off.
- **Four flash modes**
Auto, on, red-eye reduction, off
- **2.5-inch high-definition Hyper Amorphous Silicon TFT LCD monitor screen**
- **Video output**
Output images to a TV or video tape deck.
- **DCF (Design Rule for Camera File System) compliant**
- **DPOF (Digital Print Order Format) compliant**

CASIO COMPUTER CO., LTD. is one of the leading consumer electronics companies in the world, with sales of over Yen 451,141 million (over \$4.1 billion) in fiscal year ending March 1999. Since its establishment in 1957, CASIO has been active in the development of electronic calculators, timepieces, musical instruments, LCD TVs, pagers and other communications devices. CASIO pioneered the personal digital camera market with the March 1995 release of the QV-10. Since then, the CASIO lineup of digital cameras has continued to evolve and grow with the addition of powerful new features and functions that made them the popular choice of digital camera users, especially for personal computer applications. CASIO's corporate activities are guided by the motto: "Creativity and Contribution."

CASIO, INC., Dover, NJ, is the U.S. subsidiary of Casio Computer Co., Ltd., Tokyo, Japan. Casio, Inc., with sales over \$450 million, markets calculators, watches, business organizers, musical keyboards, audio and video products, electronic cash registers, digital imaging products and other consumer electronic products.

Specifications

Image File Record Format:

Still Images: JPEG (Exif. Ver. 2.1), DCF standard, DPOF compliant

Movies: AVI (Open DML Motion JPEG standard)

Recording Medium: CompactFlash™ memory card

Recorded Image Size and Quality:

Still Images	Image Size (Pixels)	Quality		
	1280 x 960	Fine	Normal	Economy
	640 x 480	Fine	Normal	Economy
AVI Movies	320 x 240	Max. Movie Length: 10 seconds		

Approximate Memory Capacity:

Still Images	Image Size (Pixels)	8MB CompactFlash Card
Fine mode	1280 x 960	13images
AVI Movies	320 x 240	25seconds

Image Deletion: Single image; all images in a folder; all images in memory (with image protection)

Imaging Element: 1/2.7-inch square pixel color CCD (Total Pixels: 1.31 million; Effective Pixels: 1.25 million)

Lens: F3.2 to 3.5 f = 6 to 48mm (equivalent to 40 to 320mm on a 35mm film camera); 11 elements in 9 groups; takes 43mm diameter filter

Zoom: 8X optical zoom; 2X/4X digital zoom; maximum 32X when optical and digital zoom are used in combination

Focusing: Contrast-detect TTL autofocus, manual focus; with Macro Mode; Infinity Mode and focus lock

Approximate Focus Range:

Normal Wide: 0.4m to ∞

Normal Telephoto: 1m to ∞

Macro: 1cm to 50cm (with optical zoom, 1X to 1.6X)

With Manual Focus: 1cm to ∞

Exposure:

Exposure Control: Light metering by CCD; multi-pattern, spot, center weighted

Exposure: Program AE; aperture priority AE; shutter priority AE

Exposure Correction: -2EV to +2EV (1/4EV units)

Shutter: CCD shutter, mechanical shutter

Shutter Speed: Bulb, 64 to 1/2000 second

Aperture: F3.2, F4.8, F8 automatic and manual switching

White Balance: Automatic/fixed (4 modes), manual switching

Self-timer: 10 seconds, 2 seconds

Flash Modes: AUTO, ON, OFF, Red eye reduction

Approximate Flash Range: 0.5 to 2.5 meters (Normal); 0.1 to 0.5m (Macro)

Monitor/Viewfinder: 2.5" low-glare color Hyper Amorphous TFT color LCD (122,100 pixels; 555 x 220)

Clock: Built-in quartz digital clock; date and time recorded with image; auto calendar up to 2049

Input/Output Terminals: USB (special mini connector); DIGITAL IN/OUT, VIDEO OUT (NTSC and PAL), AC adapter connector

Power Supply: Four AA-size batteries (alkaline or lithium)
Four AA-size rechargeable batteries (nickel metal hydride)
Optional AC adapter

Approximate Battery Life

Type of Operation	Alkaline Batteries (LR6)	Lithium Batteries (FR6)	Nickel Metal Hydride Rechargeable Batteries
Continuous Recording	400 images	1020 images	620 images
Continuous Playback	110 minutes	280 minutes	160 minutes

Dimensions: 5.62" (W) x 3.05" (H) x 2.8"(D) (excluding projections, lens facing upwards)

Weight: Approximately 11 oz. (excluding batteries)

Main Standard Accessories:

USB cable; serial cable (for use with IBM PC/AT compatible computer); Macintosh serial adapter cable; CD-ROM (with Photo Loader software); 8MB CompactFlash™ memory card; wired remote control unit; video cable; soft case; 2-way shoulder/hand strap; lens cap

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Photos available upon request
