

CAPTURE ALL OF THE LIGHT-DIRECTLY.

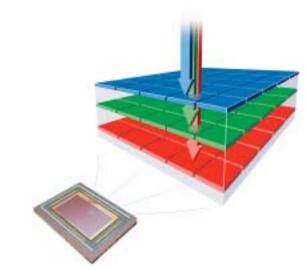
FOVEON X3® direct image sensor brings new vision to digital imaging.

The FOVEON X3® direct image sensor is the heart of the first and only capture system that directly captures full color for digital cameras. Using three silicon-embedded layers of pixel sensors, stacked to take advantage of silicon's ability to absorb red, green, and blue light at different respective depths, the FOVEON X3® direct image sensor can thereby directly capture full color and detail at each and every pixel location, without interpolation.

The results are a revelation: better color detail, fewer color artifacts and three times the image sharpness, compared to that delivered by conventional image sensors that capture color indirectly through mosaic filters and color interpolation.

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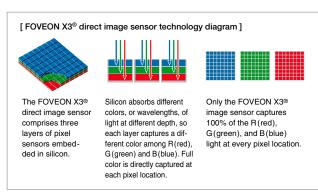
[FOVEON X3® direct image sensor conceptual diagram]

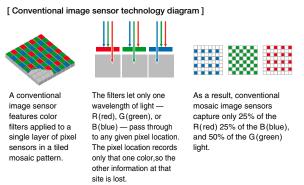


Digital photos have never looked quite as good as those taken on film. Until now. Only the SIGMA SD10 digital single-lens reflex camera makes this major breakthrough. The FOVEON X3® direct image sensor with 10.2 million pixels efficiently reproduces color more accurately, and offers sharper resolution, pixel for pixel, than any conventional CCD or CMOS image sensor. So you can capture more of your vision in a truer light. Go ahead. Get more creative. The SIGMA SD10 puts the advantage of higher technology right in your hands.

Other image sensors cannot match the SD10's true full-color capture system

Unlike the SIGMA SD10, other digital cameras' image quality is inherently compromised through the use of optical color filters. Conventional CCD and CMOS image sensors have a single layer of pixels. Each pixel detects only one color of light, which has been filtered through a single red or green or blue color filter. As a result, two-thirds of the color at each pixel is blocked out. To compensate, the missing color is estimated through a complicated process of color interpolation, leading to color errors, color artifacts and loss of image detail. FOVEON X3® direct image sensors, however, capture all three colors at every pixel location, insuring the capture of full, complete color.













Founded in California in 1997, FOVEON Inc. is world-renowned for direct image sensor development and technology.

FOR MORE FLEXIBLE CONTROL OF IMAGE DATA

RAW format recording

The SD10 uses the RAW format — the highest-quality recording method — to record information about light detected by the FOVEON X3® direct image sensor. The RAW data format provides pure data for high-resolution images, and uses lossless compression for more compact, yet uncompromised data files.

Exclusive SIGMA Photo Pro software reads RAW data

The SD10 comes with SIGMA Photo Pro software for changing the look of recorded RAW data image files. It's easy to make adjustments (white balance, exposure, color balance, and contrast, for example) or otherwise manipulate RAW data, without compromising image quality or definition.

< Main Window >

This basic screen for manipulating RAW data is a simple, yet sophisticated user interface for control of various functions.

- Open RAW data files
- Transfer and save RAW image data
- Save images (TIFF, JPEG)
 Mark, lock, rotate, and delete images in the camera or on a computer



< Review Window >

- Display image and magnify details up to
 POD
- View highlight and shadow warning
- Mark, lock, rotate, and delete images
 Open multiple Review Windows for side-by-side comparison
 - < Adjustment Controls >
 - Adjust exposure, contrast, shadows, highlights, saturation sharpness and X3 Fill Light
 - Adjust colors
 - Adjust gray balanceOpen, save, and delete custom settings
 - Check histograms
 - View Overexposure and
 Underexposure information
- < Image Information Window >
- Check shooting information
- Check image information
- Copy information to the clipboard

The SIGMA SD10 has exclusive advanced functions

- Data recovery of deleted images*.
 * Recoverable only if no other operation has been performed after deletion of image data using "Delete". If an image is taken right after deletion, the deleted image data cannot be recovered.
- 3-color histogram: Signal levels (appearing as dark to bright areas in an image) can be displayed on the monitor in red, green, and blue. This makes it easy to check light and shadow details.

Seamless recording and playback

Recording and playback modes aren't separated so you can quickly take advantage of photo opportunities and record images even while playing back other images.

Intuitive interface

Clearly marked operation panel buttons make it easy for photographers to identify and use desired functions.

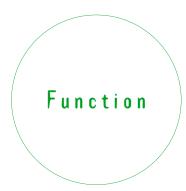
The SIGMA SD10 has an extensive variety of functions

- Lock and mark function : Simplifies image sorting.
- Shortcut key settings: For convenient function setting using the OK button.
- S-stage zoom and pan: Lets you zoom in up to 400%
 and pan while zooming, for checking focus and image
 details in camera.
- Information access: Accessing information about camera settings, CF card data and image data is simple.
- © Customizable view: You can customize data displayed on the info strip, using exposure warning display ON/OFF, quick preview duration, style setting and more.
- Slide show settings: Use lock function/mark functions to display only those images that you want to view.

Three resolution settings

Choose among three RAW data resolution shooting modes: HI mode $(2,268 \times 1,512 \times 3 \text{ layers})$ for optimal quality, MED mode $(1,512 \times 1,008 \times 3 \text{ layers})$ for recording more images at high definition, and LOW mode $(1,134 \times 756 \times 3 \text{ layers})$ for capturing the most images per given memory capacity.









Zoomed screen

Image info scree

Easily view images and settings

A 130,000-pixel 1.8-inch TFT liquid crystal monitor built into the SD10's back body panel reproduces clear, beautiful images. With the built-in 4-Way Controller, it also serves as an easy-to-use multifunctional interface.

White balance for the look you like

You can shoot under any lighting conditions with a choice of white balance modes including "bright," "shady," "cloudy," "incandescent light," "fluorescent light," "flash," and "auto". There's even "custom" for customized white balance that you



White balance / sub screen

Frame-by-frame ISO Setting

Frame-by-frame ISO selection is among SD10's functions that are unmatched by any film camera. Choose among ISO 100, 200, 400, 800 and 1600 (extended option).

Records on CF cards and Microdrives*

The SIGMA SD10 records on reliable, high-capacity Type I and Type II CF (CompactFlash) cards. Or, you can insert a Microdrive* to hold even larger volumes of data.

* This recording medium uses a high-speed hard disk, so it is more vulnerable to vibration and shock than flash memory CF cards. If you use a Microdrive, take extra care not to expose the camera to shock or vibration, especially during recording and playback.

Pick your power source

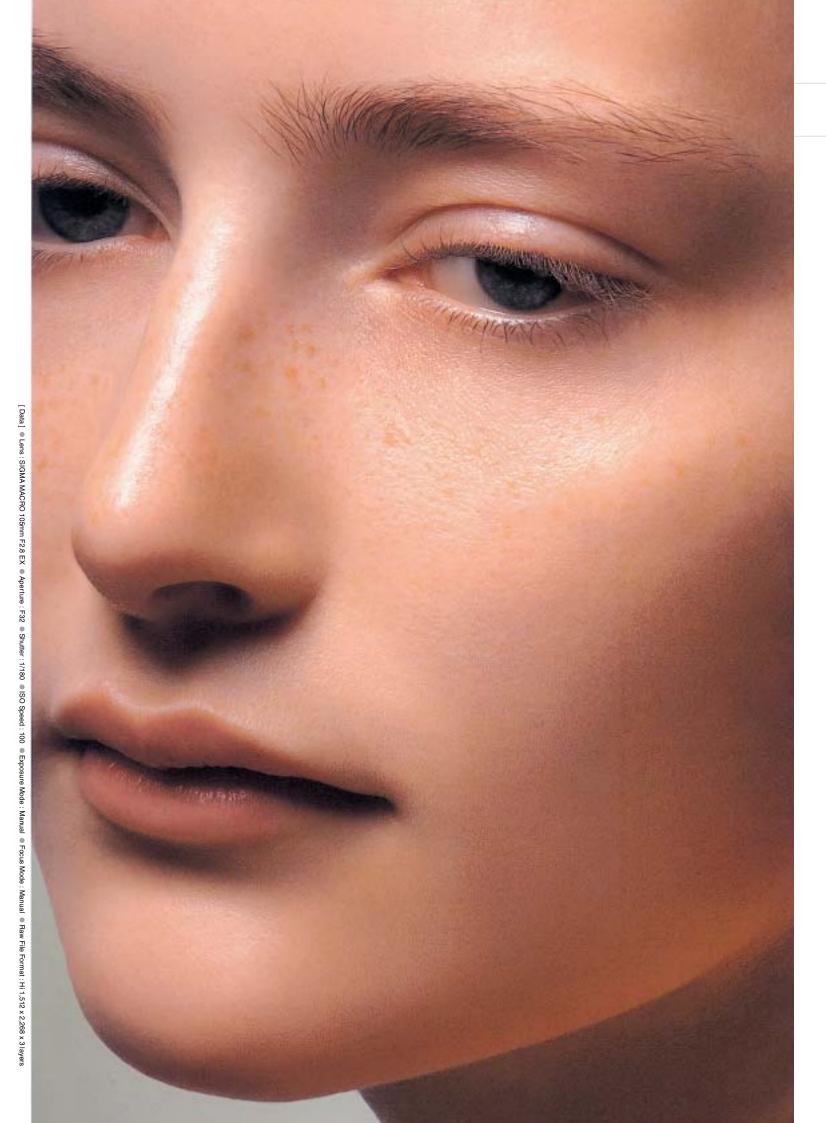
For around-the-world shooting versatility, the SD10 can be powered by two CR-V3 lithium batteries; four AA Ni-Mh batteries or four Nickel Zinc primary batteries; or a dedicated AC adaptor (included with the camera).

IEEE1394 and USB Interfaces

The camera has an IEEE1394 port as well as a USB port for extraspeedy, versatile image transfer from the SD10 to a computer.

Shoots in NTSC and PAL formats

You can switch between the NTSC video standard (used in countries including Japan and the U.S.) and the PAL format (used in Europe and other countries) for image playback on TV monitors in many parts of the world.



GET READY TO SHOOT FASTER

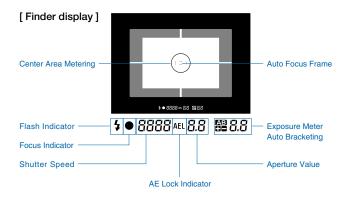
The Sports Finder
won't miss a moment

Now, it's easy to compose
and shoot fast-moving action.

Because unlike an ordinary singlelens reflex camera with viewfinder showing
just what is within the shooting frame, the SD10's unique

Sports Finder offers a view that extends outside of the frame.

All the better to anticipate the movement of subjects coming
into the frame before capturing the crucial moment.



Non-stop shooting up to 30 frames

A high-speed CPU and high-volume buffer memory enable the SD10 to shoot at 2.5 frames per second for up to 30 consecutive frames in LOW mode, up to 14 consecutive frames in MED mode, and up to 6 frames in high-quality HI mode.

1/6000-second maximum shutter speed

With a shutter up to 1/6000 - second fast, the SD10 can capture what even the human eye cannot see. Drops of water from a splash in the pool can be frozen in detail. Or use a high shutter speed for outdoor shooting with a telephoto lens to create an image in which a subject really stands out from the background.

Auto Focus (AF) cross sensoring

The SD10's AF cross sensor in the center of its viewfinder lets a photographer select the subject of focus, according to compositional intention.

SIGMA lens motors for fast AF

Each SIGMA lens has a motor to drive focusing, for AF shooting at speeds appropriate for the lens in use. Attachment of a SIGMA HSM (hypersonic motor) lens keeps shooting fast and quiet. Naturally, full manual focusing is also available.

Predictive movement Auto Focus

For subjects moving closer or further away at a fairly steady speed, this feature calculates the distance the subject will travel until the shutter opens, and drives the lens to the optimal focus for the shot. Predictive movement AF operates automatically when the Continuous AF mode is on.

* If subject moves irregularly or is motionless, predictive movement AF won't be activated.

Two focus modes

■ Continuous AF mode [C, AF]

In this mode, the camera continues focusing on a moving subject while the shutter button is pressed halfway. For example, when shooting athletes or moving vehicles, the motion prediction mechanism will activate and control focus, predicting the subject's traveling distance from the time the shutter button is pressed to the instant the shutter is released.

■ Single AF mode [S, AF]

In this focus-priority AF mode, AF ranging starts when the shutter button is pressed, and the shutter is released once the subject is in focus. When the subject comes into focus, the focus indicator turns on in the finder (with an electronic sound), and the Focus Lock (AF Lock) / AE Lock functions* activate, fixing the focus.

* When the AE Lock button is pressed, exposure is fixed at that point in time. Use this mode if the area that you want to meter and the subject that you want to focus on are not one and the same.

Mirror-lock mechanism prevents camera shake

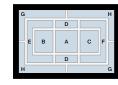
The mirror-lock mechanism raises the mirror so you can release the shutter without the vibration of the mirror popping up. This prevents camera shake, and is especially effective for macro shooting and shooting scenes using telephoto lenses. Use of a remote controller or cable release (sold separately) also reduces the possibility of camera shake.

WHERE DIGITAL AND 35mm SLR ADVANTAGES CONVERGE

The SD10 features three metering methods for greater control of photography's essence: light.

■8-segment evaluative metering

This metering mode, offering exposure control with minimal error, divides the screen into 8 independently metered segments. whose data is comprehensively evaluated for

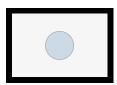


optimal exposure setting. Excellent for shooting front-lit scenes, as well as backlit, high-contrast and other special situations, 8-segment evaluative metering helps to reproduce brightness to a photographer's liking.

■ Center area metering

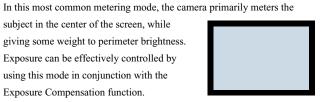
In this mode, the camera meters only an area of about 5mm in diameter in

the center of the screen. This minimizes the influence of perimeter light sources, so you can establish a highly specific area for determining the level of exposure that suits your purpose



■ Center-weighted average metering

subject in the center of the screen, while giving some weight to perimeter brightness. Exposure can be effectively controlled by using this mode in conjunction with the Exposure Compensation function.



Exposure compensation and auto bracketing

Before you shoot, exposure compensation lets you adjust exposure in 1/3EV steps within a $\pm 3EV$ range of deviation from the autoexposure level set for the scene. In situations where it is difficult to determine proper exposure, such as when there are subtle differences of subject brightness, it's a good idea to use auto bracketing to take three consecutive photographs at slightly different exposures, so you can later choose the best-exposed shot.







■[S] Shutter Speed Priority AE

Set a desired shutter speed, and the SD10 selects the appropriate aperture value for subject brightness. Freeze action by selecting a fast shutter speed; capture a blur of motion with a slow shutter speed; or achieve various other effects using Shutter Speed Priority AE.

■[M] Manual Exposure

This mode lets you set the shutter speed and aperture value as you choose, as when you want to fix the exposure by referring to the TTL exposure meter, external light meter, etc. This is particularly convenient for maintaining an exposure setting for several shots.





Color LCD Monitor OK Button

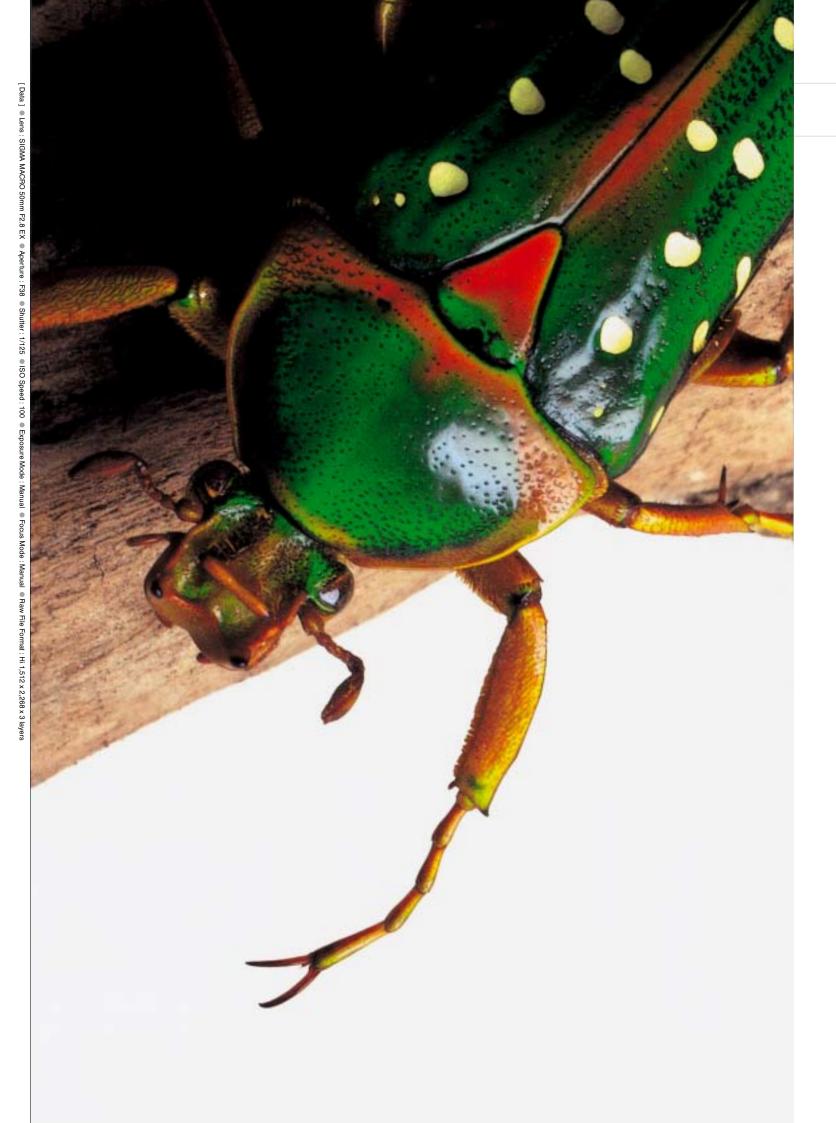
■[P] Program AE

This mode covers most shooting circumstances, automatically setting a combination of shutter speed and aperture appropriate to the subject's brightness, so you can shoot spontaneously without missing a moment or adjusting exposure.

4 exposure modes to suit any situation

■[A] Aperture Priority AE

Set a desired aperture value, and the camera determines the appropriate shutter speed. Stop down to increase depth of field. Open up to blur the background and emphasize the subject. Aperture Priority AE is useful for achieving these and various other effects.



MORE LENSES TO EXPRESS MORE OF YOUR VISION

SIGMA lenses — fully compatible with the SD10 digital SLR and 35mm SLRs.

Great lenses, of course, unleash the creative potential of single-lens reflex cameras. By making the SD10 compatible with the entire lineup of lenses originally created for SIGMA 35mm SLRs, SIGMA extends its heritage of superior optical technology to digital SLR photographers who are determined to take their visions farther. The SIGMA family of interchangeable lenses is comprehensive, including fixed focal length, macro, zoom, fisheye, and mirror models, covering a range from 8mm fisheye to 800mm super zoom. In every measure, every lens we make exemplifies state-of-the-art performance and user-friendly operation for digital and 35mm film SLR photography alike. Naturally, SD10 photographers stand to benefit from SIGMA's far-reaching dedication to capturing the essence of every moment.

[WIDE ZOOM LENS]

Wide zoom lenses offer freedom for controlling angle and perspective for shooting big buildings, expansive scenery, snap shots, and group photographs.

[STANDARD ZOOM LENS]

Standard zoom lenses provide wide coverage that suits a broad range of spontaneous photo opportunities.

[TELEPHOTO ZOOM LENS]

Providing mobility and closeup detail, telephoto zoom lenses can capture from afar impressive photographs of wild animals in the field or faces of athletes playing in stadiums.

[HIGH PERFORMANCE ZOOM LENS]

High performance zoom lenses can quickly, clearly focus on various subjects within a range from close to distant.

[WIDE LENS]

Wide zoom lenses display their capabilities on expansive scenes. SIGMA makes an 8mm fisheye lens covering 180 degrees, and other wide lenses up to 28mm.

[TELEPHOTO LENS]

Telephoto lenses offer a closer-up view of distant or inaccessible subject detail, or enhance an image's feeling of airiness by compressing perspective within a shallow depth of field and softly blurring the background.

[MACRO LENS]

Macro lenses widen the creative palette by offering a clear perspective on small flowers, insects, and more — great for closeups of nature in dramatic detail.

Image sensor dust protector

Other digital SLR cameras are typically vulnerable to dust entering the body when the lens is dismounted for changing. But the SIGMA SD10 features a special dust protector that at all times keeps dust from entering



and adhering to the image sensor. This ensures extra durability and reliable imaging integrity, even after long, rugged use.

Optional Equipment

Electronic Flash [EF-500 DG SUPER]

The high-intensity EF-500 DG SUPER flash enables automatic light control S-TTL shooting. For extra versatility, the unit's high-speed synchronization function can be used even with high shutter speeds.

Battery Grip [Power Pack SD]

This easy-to-carry battery pack with vertical grip is dedicated for SD10 use, and can hold four CR-V3 batteries or eight AA batteries — more than enough power for most shoots.

Electronic Flash [EF-500 DG ST]

This high-intensity automatic zoom flash enables automatic light control S-TTL shooting for easy and beautiful flash photographs. It includes an automatic zoom function and a bounce-head function.

Remote Controller [RS21]

Remote control allows the photographer to take self-portraits or get into group shots. Used in conjunction with Mirror Lock-Up function, it can reduce the possibility of image-blurring camera shake, so it's particularly useful for macro or telephoto zoom shooting.



SIGMA SD10 Major Specifications

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Storage Media	CompactFlash™ (CF) (Type I/II), Microdrive™		
Image Sensor Size	20.7 x 13.8mm		
Lens Mount	SIGMA SA bayonet mount		
Angle of View	Equivalent to about 1.7x the focal length of the lens (for 35mm cameras)		
Compatible Lenses	SIGMA SA mount Lens Group		
Image Sensor	FOVEON X3® direct image sensor		
Number of Pixels	10.2 Million (3.4MP Red + 3.4MP Green + 3.4 MP Blue)		
Aspect Ratio	3:2		
Image Recording Format	Lossless compression RAW data (12-bit)		
Capture File Size	HI: 2.268 x 1,512 x 3 layers (Approx 8MB), MED: 1,512 x 1,008 x 3 layers (Approx 4MB), LOW: 1,134 x 756 x 3 layers (Approx 2MB)		
Continuous shooting speed	HI:1.9 frames/second MED:2.4 frames/second LOW:2.5 frames/second		
Maximum number of frames for continuous shooting	HI: 6 frames MED: 14 frames LOW: 30 frames		
Interfaces	IEEE1394, USB (1.1), Video Out (NTSC/PAL)		
White balance	8 types (Auto, Sunlight, Shade, Overcast, Incandescent, Fluorescent, Flash and Custom)		
Viewfinder	Pentaprism SLR viewfinder		
Viewfinder Frame Coverage	97% vertical, 98% horizontal		
Viewfinder Magnification	0.77x (50mm F1.4 — ∞)		
Eye point	18mm		
Diopter Adjustment Range	-3dpt — +1dpt		
Auto Focus Type	TTL phase difference detection system		
AF Operating Range	EV2 — 18 (ISO 100)		
Focus Mode	AF-S (single), AF-C (continuous), with AF motion prediction function		
Metering Systems	Can be switched among 8-Segment Evaluative Metering, Center Area Metering, and Center-Weighted Average Metering		
Metering Range	EV1 — 20 (50mm F1.4 : ISO 100)		
Exposure Modes	(P) Program AE (program shift available), (S) Shutter Speed Priority AE, (A) Aperture Priority AE, (M) Manual		
ISO Sensitivity	Equivalent to ISO 100, 200, 400, 800. Extended Mode: 1600		
Exposure Compensation	±3EV (in 1/3 steps)		
AE Lock	Pushbutton type. Exposure setting is locked while the button is depressed		
Auto Bracketing	3 different exposure levels: Appropriate, Under Exposure, and Over Exposure, in 1/3 EV steps up to ±3EV		
Shutter Type	Vertical-travel metal focal plane shutter, electronically controlled through entire speed range		
Shutter Speed	1/6,000 to 15 sec. (ISO 100,200), 1/6,000 to 4sec. (ISO 400, 800), Bulb (ISO100,200 up to 15 sec.) Extended Mode: 1/6,000 to 30 sec., Bulb up to 30 sec. (ISO100 to 1600)		
External Flash Synchronization	Hot shoe (contact X, synchronized at 1/180 sec. or less, with dedicated flash linking contact)		
LCD Monitor	1.8", low-temperature polysilicon TFT color LCD monitor, about 130,000 pixels, coverage area 100%, with white LED backlight.		
Reviewing Images	Single frame display, zoom-in display, 9-frame thumbnail display, slide show		
LCD Monitor Language	Japanese / English / French / German		
Power Source	3V lithium battery (CR-V3) x 2pcs., or AA Ni-Mh battery x 4pcs., or Nickel Zinc Primary Battery x 4pcs. Dedicated AC adapter.		
Dimensions	152mm/6"(W) x 120mm/4.72"(H) x 79mm/3.1"(D)		
Weight	785g / 27.7oz (without batteries)		
•			

[SD10 accessories]

[SD10 accessories]		[Optional Accessories for SD10]		
	○ Dedicated IEEE1394 cable (FireWire™ cable)	O Electronic Flash	[EF-500 DG SUPER / EF-500 DG ST]	
O Dedicated AC adapter SAC-1	O Dedicated Video cable	Battery Grip	[Power Pack SD]	
AC cable	□ LCD monitor cover	Remote Controller	[RS-21]	
O Dedicated USB cable	○ Strap	Cable Release Switch	[CR-11]	
		O PC-Synchro Terminal Adapter [ST-11]		

* Product external appearance, specifications, etc. may change without notice to allow for improvements.



Caution: To ensure the correct and safe use of the product, be sure to read the User's Manual Carefully prior to operation.



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