SIGMA

14

THE SIGMA SD14
DIGITAL SINGLE LENS
REFLEX CAMERA

The SIGMA SD14
Unique. Groundbreaking.
And that's just the three-layer,
full-color image sensor.
This digital camera is
about to set a whole new standard
for image quality.

To help photographers in their eternal quest for the perfect picture, Sigma has given the world more than a few photographic products. These include lenses — the element most essential to photographic expression — and film SLR cameras.

Sigma knows about the human impulse to explore light, and the human eye's delicate perception of color. We focus on optical systems, because we see them as the heart and soul of photography. For us, turning our hand to digital SLR cameras was the obvious way to go, allowing us to pursue our unique photographic philosophy even further.

Digital cameras are now the ultimate in clever technology, yet when it comes to delineating atmosphere, texture and other ineffable qualities perceived by the human eye alone, they just don't compare with old-fashioned film cameras. That figures. High image quality is not just a matter of artificially manipulating optical data and synthesizing colors. It's not all about the pixel count, either. Capturing original optical data and weaving it into shapes with beautiful colors is what every digital camera does. But we were determined to create a digital SLR camera that can portray natural beauty, faithful to the light, without making the conventional compromises in the process. This passion, this conviction are what make the Sigma SD14 unique among digital SLR cameras.

The SD14 uses an innovative, groundbreaking direct image sensor capable of detecting red, green and blue light at every single pixel. Its high image quality comes from 14 megapixels, each pixel faithfully expressing what it sees. The colors produced by this three-layered image sensor, which works like photographic film, give human visual perception a fresh impact, creating the kind of extremely vivid feel and amazing texture that will rock existing digital image quality standards. There's absolutely no loss or distortion of the optical data. That data is transformed into a faithful image, with no omissions.

The Sigma SD14 is going to redefine existing image quality standards for digital SLR cameras.

The SD14. The only camera that tells the whole truth.


SIGMA

Want to capture the world's true colors?

It's a breakthrough. It's unique. It's an image sensor with all the amazing color sensitivity of film.

The conventional image sensors used in almost all digital SLR cameras so far, can only detect light intensity: they miss a lot of color information. Using a color filter, they fill in the gaps in their color perception by means of complex computations, interpolating colors that aren't really there, and artificially synthesizing hypothetical hues. In short, most digital cameras use a color synthesis mechanism that is fundamentally flawed.

Did you realize this is why digital cameras don't have the descriptive capacity of film cameras? Why digital cameras are always strong on sharp definition, but weak on color sensitivity? Using the Foveon X3®, a unique and groundbreaking direct image sensor, the SD14 is about to turn this conventional thinking on its head.

The Foveon X3® has a radically innovative mechanism in the form of three vertically-stacked layers of color-sensing pixels — one for red light, one for green and one for blue — just like the three layers of emulsion in photographic film. These three layers capture absolutely all the color directly, and record it faithfully. Captured without loss or distortion of colors, the data delivers an astonishingly vivid feel, far beyond the image quality you would expect from the pixel count. This means amazingly natural color, satisfyingly rich texture and image quality with a purity that has to be seen to be believed.

The SD14.

It's the only camera truly faithful to the colors of nature.

Foveon X3®

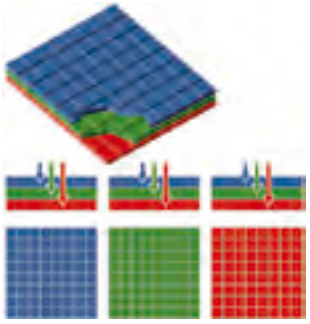
a unique, groundbreaking direct image sensor.

Most digital cameras use Bayer-filter image sensors, in which red, green and blue sensor elements are arranged in a mosaic pattern. Their basic drawback is that each pixel only captures a third of the color data, and the remaining two thirds have to be extrapolated using complex algorithms.

Interpolation using a color filter and artificial color synthesis results in a loss of detail, so in the conventional system, no matter how many extra pixels it has, a conventional camera can only record artificially-generated images by calculating colors that weren't even there in the first place.

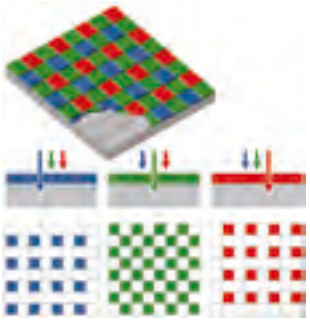
The SD14, however, uses the Foveon X3® direct image sensor, which relies on a full-color capture system that takes in the full complement of color data. This radically-innovative process delivers genuine high image quality without any compromise at all.

The Foveon X3® Sensor



Only the FOVEON X3® image sensor captures 100% of the R(red), G(green), and B (blue) light at every pixel location.

The Bayer-filter Image Sensor



A conventional Bayer-filter image sensors capture only 25% of the R(red) and B(blue), and just 50% of the G(green).

Want to get the most out of your RAW data?

Pure RAW data, with its wide dynamic range, holds the maximum potential in terms of image quality.

The image data generated by the unique and ground-breaking Foveon X3® direct image sensor includes a full complement of color data, captured and recorded directly by three separate layers of pixels, sensitive to red, green and blue light respectively. To make the most of the superb richness and purity of this data, Sigma recommends recording in the RAW data format.

Of course, you can also choose the convenience of shooting in JPEG mode when it suits your purpose. But when you need dynamism in image processing, and data rich enough to allow plenty of scope for artistic expression, the RAW format comes into its own. The result is impressive image quality, which brings out the true colors and textures of the subject, and puts you firmly in control of contrast and color adjustment.
The depth and richness of the SD14's data means you have lots of scope for improving the image quality, even after you've taken the picture. You've just got to experience it for yourself.

The SD14.

The only camera that truly expands the capacity of your images.

In-camera JPEG Support

In-camera JPEG support for extra convenience in image data handling

The SD14 has an added JPEG mode, for greater convenience in handling image files.
In JPEG Super High mode, images can be output as high-resolution 14-megapixel JPEG files using pixel interpolation. There are four JPEG recording modes: Low, Medium, High and Super High. There is a choice of three JPEG quality settings: Basic, Normal and Fine.

•Camera: SIGMA SD14 •Lens: SIGMA 30mm F1.4 EX DC HSM •Aperture: F11 •Shutter Speed: 1/125s •ISO Settings: 100 •Exposure Mode: Manual •Focus Mode: Manual •Raw File Format: Hi

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Want to have complete control over the finished image?

Do you like to experiment with finishing? The SD14 gives you access to the source.

It's that moment. Full of anticipation, you're opening a RAW image file shot with your SD14. At first, the image on your computer screen may look a little crude, a little disappointing. Relax: our exclusive software, Sigma Photo Pro 3.0, will soon whip it into shape. The adjustment mode is easy to understand, and simple to use: before your very eyes, your image will be transformed from mere data into a photograph.

Look through your mind's eye at the vivid emotional imprint of the moment you pressed the shutter. Now, all you may wish to do is delicately tweak the colors and textural tones of the image data, based on that mental image.
The X3 Fill Light feature, which preserves highlight detail while adjusting halftones using a single slider control, offers all the pleasure of artistic expression, just as if you were happily "dodging and burning" in an old-fashioned darkroom.
There's nothing like the thrill of seeing your own shots revealed in their full, unexpected glory, one after another.
If you care about your image quality, this is the camera for you.

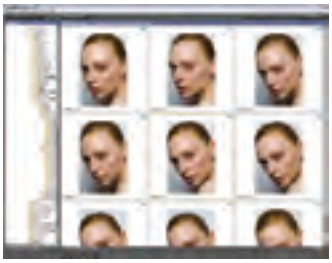
The SD14.

The only camera designed for artists.

Sigma Photo Pro 3.0

Exclusive Sigma Photo Pro 3.0 Software

Sigma Photo Pro 3.0 is an exclusive software package for displaying and manipulating your Sigma SD14 images on your computer. If you have artistic inclinations and enjoy adjusting the finish of your photographs, try Custom mode, which enables you to make delicate image adjustments.
It offers a superb lineup of functions for drawing out the potential of the SD14's raw data, with all the sensitivity you need to fine-tune your pictures.
You'll never see DSLRs quite the same way again.



Want something more than convenience from a camera?

We set out to design a camera that sets you free to just take photographs the way you want.

A camera that lets you focus on getting the shot. That's what the SD14 is designed to be. We eliminated cumbersome operations and unnecessary extra functions, replacing them with an intuitive user interface, and rigorously honing the camera's basic performance until it was capable of handling the most difficult conditions.

The SD14 doesn't offer complicated functions just for the sake of it. Just like a film camera, it combines structural simplicity with high performance. That's all you need. Once you've got that, then top-class image data and your own inspiration will guarantee good photos. Just take the pictures your heart desires and your eyes demand. This is the camera that sets the photographer free. The SD14 means business. Check it out.

The SD14.

The only camera with the potential for perfection.

Dust Protector

Dust Protector supplied as standard

To highlight the importance of keeping the image sensor dust-free, a dust protector has always been supplied as standard with all SD series cameras. The dust protector prevents tiny particles of dust from adhering to the image sensor. In the SD14, it can be put in place or removed with a single action.

5-Point Distance-Measurement Autofocus

New 5-point distance-measurement sensor

We gave the SD14 a new 5-point distance-measurement autofocus sensor. Having carried out a thorough study based on our own unique perspective, we took the bold decision to measure the autofocus distance at five separate points – center, left, right, top and bottom – for maximum ease of use. The center point even has crosshairs for improved accuracy. There is a mode allowing the user to select the points, and another mode in which the camera sets them automatically.

High-Eyepoint Viewfinder

(Pentaprism 98% x 98%)

High-eyepoint viewfinder with top specs for both viewing angle and magnification

The Sigma viewfinder function, already acclaimed for its ease of focusing, has been improved even further in the SD14. The viewfinder – the heart and soul of any SLR – is a Pentaprism (Pentaprism 98% x 98%). Aiming for clear visibility, ease of focusing and other features, we gave the SD14 top-of-the range specifications for both viewing angle and magnification.

2.5-inch LCD Screen

2.5-inch TFT LCD screen offers improved visibility for images and function menus

A 2.5-inch 150,000 pixels TFT LCD screen is built into the rear panel of the camera body to provide a high-resolution display of the captured image. The functions are now even easier to operate, thanks to the easy-to-use control-pad and the high-visibility LCD screen.

Built-in Flash

GN11 built-in flash

The SD14 has a built-in GN11 flash that comes into its own when used for indoor shots and outdoor portraits. Used in combination with the EF-500DG SUPER flash-gun (sold separately), it provides wireless flash capability.

Intuitive User Interface

Quick Set Button function

To make the controls intuitively obvious we gave the SD14 a Quick Set Button function. This allows you to display and adjust the most important settings, namely ISO, resolution, JPEG quality and file type, and white balance, on one screen, using one button. We've aimed for stress-free photography.

Easy-to-use Mirror-Lockup Function

The mirror-lockup function can be set easily

We gave the SD14 a mirror-lockup function, which first minimizes the vibration caused when the mirror springs up, and then opens the shutter. This reduces camera shake, which is a big help in macro shots and when shooting scenery with a super-telephoto lens. With the remote controller and cable release (both sold separately), vibration can be effectively eliminated.

Full Lineup of Accessories

Power Grip PG-21

The specially-designed battery pack gives the Sigma SD14 enhanced battery power. Up to 2 dedicated batteries can be loaded at once. The grip is positioned lengthways, allowing for more comfortable handling.

Remote Controller RS-31

Using the remote controller, you can shoot with the camera positioned a considerable distance away, which makes it much easier to take self-portraits and family snaps. Used in combination with the mirror-lockup function, the remote control helps to minimize camera vibration. It also comes in useful for macro shots, and scenery shots taken with a super-telephoto lens, where the slightest vibration can spoil everything.

Cable Release CR-21

The CR-21 Cable Release is an alternative to the RS-31 remote controller offering a wired connection to the camera. This reduces the risk of camera shake during photography.

AC Adapter SAC-2

This is used to provide a constant electricity supply when shooting in the studio, or taking indoor shots. It's also recommended for use when connecting the camera to your computer to transfer data.

Electronic Flashguns

EF-500 DG SUPER

Using the EF-500 DG Super high-powered autozoom flashgun enables you to take shots with S-TTL automatic flash metering. It has a high-speed synchro function which can also be used at high shutter speeds, and a wireless flash connectivity too. It's an accessory that opens up new expressive possibilities.

EF-500 DG ST

A high-powered autozoom flashgun. Featuring automatic flash-metering using S-TTL operation, you can take perfect flash shots effortlessly. This flashgun also includes autozoom and bounce head functions.

Accessories Provided with the SD14

- Battery Pack BP-21
- Battery Charger BC-21
- USB Cable • Video Cable
- Neck Strap • Eye Cap
- Body Cap • Eyepiece Cap
- SIGMA Photo Pro Disc
- Instruction Manual

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

SIGMA SD14 / DIGITAL SINGLE LENS REFLEX CAMERA : MAJOR SPECIFICATIONS

FORMAT

Format	AF/AE Digital SLR Camera
Storage Media	Compact Flash™(Type I/II), Microdrive™,(FAT32 compatible)
Image Sensor Size	20.7 x 13.8mm
Compatible Lenses	Sigma SA Mount Interchangeable Lenses
Lens Mount	Sigma SA Bayonet Mount
Angle of View	Equivalent to approx. 1.7 times The Focal Length of The Lens (for 35mm cameras)

IMAGE SENSOR

Format	FOVEON X3® Direct Image Sensor(CMOS)			
Number of Pixels	Total Pixel	14.45 MP	2688 x 1792	x 3
	Effective Pixel	14.06 MP	2652 x 1768	x 3

RECORDING SYSTEM

Still Image Format	Exif 2.21, DCF 2.0			
Recording Mode	Lossless compression RAW data(12-bit), JPEG(Super High, High, Medium, Low)			
File Size	RAW High	Approx. 13.3 MB	2,640 x 1,760	
	Medium	Approx. 6.6 MB	1,776 x 1,184	
	Low	Approx. 3.3 MB	1,296 x 864	
	JPEG Super High / Fine	Approx. 7.5 MB	4,608 x 3,072	
	Super High / Normal	Approx. 4.6 MB	4,608 x 3,072	
	Super High / Basic	Approx. 3.2 MB	4,608 x 3,072	
	High / Fine	Approx. 3.3 MB	2,640 x 1,760	
	High / Normal	Approx. 1.9 MB	2,640 x 1,760	
	High / Basic	Approx. 1.3 MB	2,640 x 1,760	
	Medium / Fine	Approx. 1.6 MB	1,776 x 1,184	
	Medium / Normal	Approx. 0.9 MB	1,776 x 1,184	
	Medium / Basic	Approx. 0.6 MB	1,776 x 1,184	
	Low / Fine	Approx. 0.8 MB	1,296 x 864	
	Low / Normal	Approx. 0.5 MB	1,296 x 864	
	Low / Basic	Approx. 0.3 MB	1,296 x 864	
File Numbering	Consecutive, Auto-Reset			
Interfaces	USB (USB2.0), Video Out (NTSC/PAL)			

WHITE BALANCE

Settings	8 types (Auto, Sunlight, Shade, Overcast, Incandescent, Fluorescent, Flash and Custom)
Auto White Balance	Auto White Balance with The Image Sensor

VIEWFINDER

Type	Pentaprism SLR viewfinder
Frame Coverage	98% Vertical x 98% Horizontal
Magnification	0.9x (50mm F1.4 - oo)
Eye point	18mm
Diopter Adjustment Range	-3 dpt — +1.5 dpt
Focusing Screen	Fixed, All Matt Screen
Mirror	Quick Return
Viewfinder Information	Flash Display, AF Information, AF Frame, Shutter Speed, Aperture Value, AE Lock, Auto Bracketing, Exposure Compensation, Exposure Meter
Depth of Field Preview	Depth of Field Preview Button

AUTOFOCUS

Auto Focus Type	TTL Phase Difference Detection System
AF Point	5-Points (Center AF Point : Cross Type)
AF Working Range	EV 0 — +18 (ISO100)
Focusing Modes	Single AF, Continuous AF (with AF Motion Prediction Function), Manual
AF Point Selection	Automatic Selection, Manual Selection
Active AF point indicator	Superimposed in Viewfinder
AF Assist Light	White Color AF Assist Light
Focus Lock	Shutter Release Halfway-Down Position

EXPOSURE CONTROL

Metering Systems	8 Segment TTL Full Aperture Metering [1] 8 segments Evaluative Metering, [2] Center Metering, [3] Center-Weighted Average Metering
Metering Range	EV 1 — 20 (50mm F1.4, ISO100)
Exposure Control System	[P] Program AE (Program Shift is Possible), [S] Shutter Priority AE, [A] Aperture Priority AE, [M] Manual, S-TTL Flash AE
ISO Sensitivity	ISO : 100, 200, 400, 800, (1600 with Extended Mode)
Exposure Compensation	‡ 3 EV (in 1/3 Stop Increments)
AE Lock	AE Lock Button is Pressed, when Shutter Release Button is Pressed Halfway
Auto Bracketing	1/3EV Stops Up to ‡ 3EV Appropriate Exposure, Under Exposure and Over Exposure

SHUTTER

Shutter Type	Electronically Controlled Focal Plane Shutter
Shutter Speed	1/4000 - 30 sec. + Bulb
External Flash Sync.	X-Sync. (1/180)
Self Timer	2 and 10 Seconds Duration

FLASH

Type	Built-in Flash
Built-in Flash Guide No.	GN11
Built-in Flash Coverage	17mm Lens Focal Length
Flash Metering System	S-TTL Auto Flash
Flash Compensation	‡ 3EV(1/3 Stop Increments)
Compatible Flashguns	EF-500DG SUPER, EF-500DG ST, EM-140 DG
Sync. Terminal	Available
Connectivity	Hot Shoe, PC Sync. Terminal

DISPLAY

Top LCD	Shutter Speed Display, Aperture Value Display, Exposure Meter Display, Shooting Capacity Display, Exposure Mode Display, AF Mode Display , Flash Mode Display, Battery Status Display, Flash Mode Display, Remote Controller Mode Display, Electronic Sound Setting, Extended Mode

DRIVE SYSTEM

Drive Modes	[1] Single, [2] Continuous, [3] Self-Timer (2 sec./10 sec.) [4] Mirror Lock-Up
Continuous Shooting Speed	High : 3 Frames/second, Medium : 3 Frames/second, Low : 3 Frames/second
Continuous Buffer	High : 6 Frames, Medium : 12 Frames, Low : 24 Frames

LCD MONITOR

Type	TFT Color LCD Monitor
Monitor Size	2.5"
LCD Pixels	150,000
Coverage	100%
Brightness	Dim, Normal, Bright

MENU

LCD Monitor Language	English / Japanese / German / Chinese / French / Spanish / Italian / Korean

PLAYBACK

Image Display	[1] Single Frame Display, [2] Multi Display (9 Frames), [3] Zoom, [4] Slide Show
Highlight Display	Available
Histogram	Available

IMAGE PROTECTION AND ERASE

Protection	Protection of Single Images or All Images in a Folder or CF/Microdrive™ Card is Possible
Erase	CF/Microdrive™ Card Format, All, Current Image

POWER SOURCE

Battery	Li-Ion Battery Pack BP-21, Battery Charger BC-21, AC Adapter SAC-2 (Optional)
Battery Life (+20°C)	Approx. 500
Battery Life (0°C)	Approx. 400
Battery Check	3 Level Battery Status Display

DIMENSIONS AND WEIGHT

Dimensions	144mm/5.7"(W), 107.3mm/4.2"(H), 80.5mm/3.2"(D)
Weight	700g/24.7 oz

OPERATING ENVIRONMENT

Operating Temperature	0 — +40°C
Operating Humidity Range	85% or Lower

ACCESSORIES

• Li-ion Battery Pack BP-21, • Battery charger BC-21, • USB Cable, • Video Cable, • Neck Strap, • Eye Cap, • Body Cap, • Eyepiece Cap, • SIGMA Photo Pro Disc, • SD14 Instruction Manual

OPTIONAL ACCESSORIES

• Power Grip: PG-21, • AC Adapter: SAC-2, • Remote Controller: RS-31, • Cable Release Switch: CR-21, • Electronic Flash: EF-500 DG SUPER, EF-500 DG ST, EM-140 DG

The Appearance and Specifications are Subject to Change without Notice.

www.SIGMA-SD14.com

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SIGMA CORPORATION 2-4-16, Kuriki, Asao-ku, Kawasaki-shi, Kanagawa, 215-8530 Japan Tel: +81-44-989-7430 Fax: +81-44-989-7451 www.sigma-photo.co.jp

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