

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.



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



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.

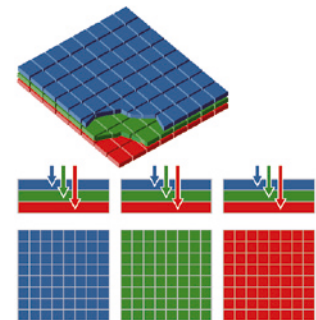


Most digital cameras use Bayer-filter image sensors, in which red, green and blue sensor elements are arranged in a mosaic pattern. Their basic drawback is that each pixel only captures a third of the color data, and the remaining two thirds have to be extrapolated using complex algorithms.

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.

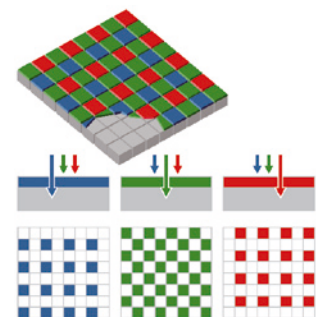
The SD14, however, uses the Foveon X3® direct image sensor, which relies on a full-color capture system that takes in the full complement of color data. This radically-innovative process delivers genuine high image quality without any compromise at all.

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).

"Foveon X3" is a registered trademark of Foveon, Inc.

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.





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.

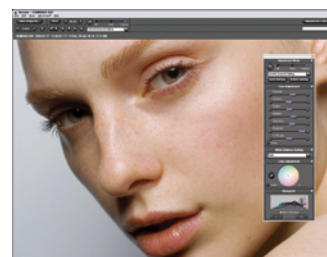
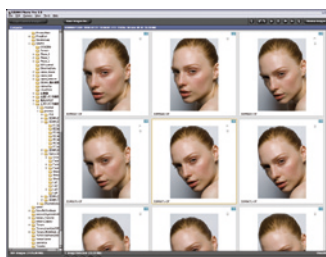
The only camera designed for artists.

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

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 layers Effective Pixel 14.06 MP 2652 x 1768 x 3 layers |

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 - ∞) |
| 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

SIGMA

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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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