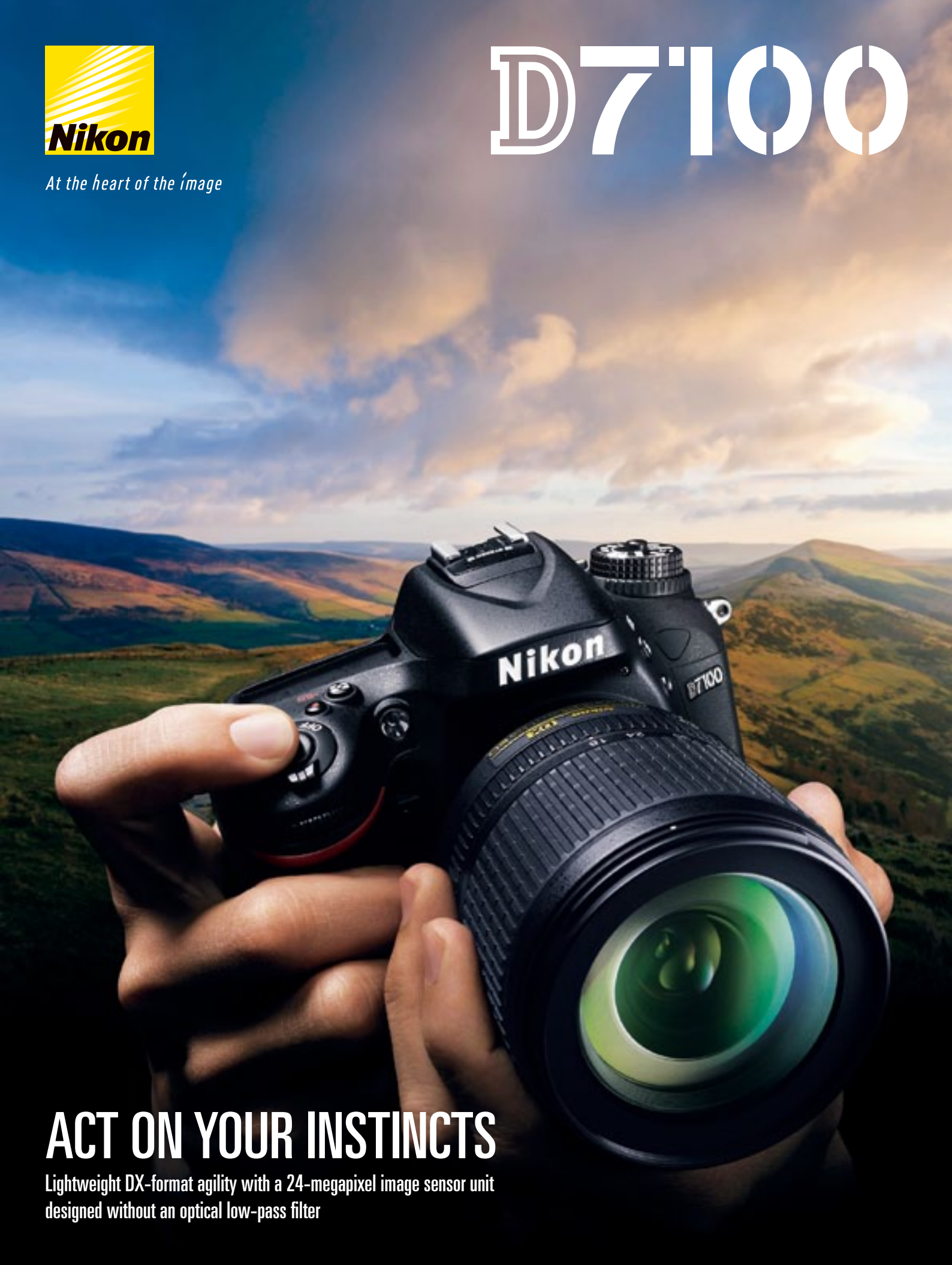




At the heart of the image

D7100



ACT ON YOUR INSTINCTS

Lightweight DX-format agility with a 24-megapixel image sensor unit designed without an optical low-pass filter



• Lens: AF-S NIKKOR 500mm f/4G ED VR
• Image quality: RAW (NEF)
• Exposure: [M] mode, 1/500 second, f/11
• White balance: Direct sunlight
• Sensitivity: ISO 100
• Picture Control: Standard
©Koji Nakano



Take advantage of the agility and high-performance features built into the compact and lightweight DX-format body of the D7100. Enjoy the kind of breathtaking, high-resolution images that are only possible when the EXPEED 3 image-processing engine is paired with a powerful CMOS image sensor unit that's designed without an optical low-pass filter. Now you can have all the mobility, resolution and power you need to close in on your target and capture it exquisitely — all yours, via the Nikon DX format. The D7100 is ready to go wherever inspiration calls you. Your hunt for spectacular images starts here.



- Lens: AF-S NIKKOR 70-200mm f/4G ED VR
- Image quality: RAW (NEF)
- Exposure: [M] mode, 1/180 second, f/8
- White balance: Direct sunlight
- Sensitivity: ISO 100
- Picture Control: Landscape

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THE POWER AND AGILITY TO LEAP FORWARD

High-density 51-point AF system that widely covers the frame



With Nikon's newly developed Advanced Multi-CAM 3500DX autofocus sensor module featuring a high density

of 51 focus points (including 15 cross-type sensors), the D7100 can focus sharply on some of the most elusive of subjects. This AF system also achieves a wider AF detection range down to -2 EV* and faster initial detection, just like that of the D4. The center cross-type sensor is compatible with f/8, which means that you can autofocus on distant subjects even with an effective aperture of f/8 when a 2.0x teleconverter is attached to a telephoto NIKKOR lens with a maximum aperture of f/4.

*ISO 100, 20°C/68°F.

The 1.3x crop of DX lets you get closer to distant subjects and achieves fast continuous shooting of up to approx. 7 fps [NEW]

In addition to the regular DX-format size, that enables shooting at an angle of view equivalent to approx. 1.5x*¹ lens focal length, the D7100 also has a 1.3x crop of DX option, which instantly provides an angle of view equivalent to approx. 2.0x*¹ lens focal length, while delivering a sufficient image resolution of approx. 15.4 effective megapixels. In this mode, the 51 focus points cover almost the entire frame, realizing extremely high capturing power. Add to this approx. 7-fps continuous shooting*², and you can see how the D7100 captures fast and erratic subjects with greater efficiency.

*1 When converted to 35mm format.

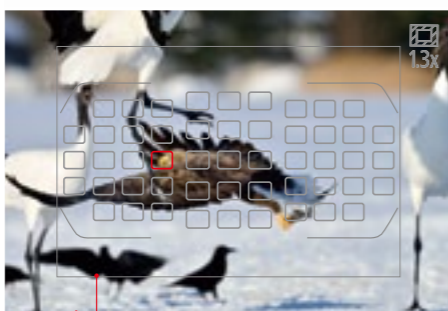
*2 In 1.3x crop of DX mode with JPEG/12-bit NEF (RAW).



51+1.3x

AF POINTS CROP OF DX

CAPTURING POWER TO LOCK ON TO YOUR SUBJECT



1.3x crop of DX
DX format

GET MORE INTIMATE WITH YOUR SUBJECT WITH FULL HD D-MOVIE

Exquisite Full HD video quality

Using an image sensor unit with 24.1 effective megapixels, designed without an optical low-pass filter, and employing the EXPEED 3 image-processing engine, the D7100 records Full HD video with exquisite detail reproduction. Your cinematic potential is expanded further with D-SLR shooting advantages such as the wide range of interchangeable NIKKOR lenses. For the smoothest recordings of fast-moving subjects, use 1280 x 720 at 60p, or try the movie image area based on 1.3x crop of DX with 1920 x 1080 at either 60i or 50i. The D7100 also has a built-in stereo microphone. The file size is compressed in H.264/MPEG-4 AVC format, providing you with a maximum recording time of 29 min. 59 s for a single clip*.

*20 min. with ★ high image quality.

Multi-area mode Full HD D-Movie with movie image area based on 1.3x crop of DX

The D7100 offers you two movie image areas: one based on the DX format and the other on the 1.3x crop of DX. Using the 1.3x crop of DX delivers an angle of view equivalent to approx. 2.0x* lens focal length — an amazing amount of reach to the subject. Also helped by the agility of the compact, lightweight DX-format system, you can boldly get closer to even smaller, more distant subjects.

*When converted to 35mm format.

Glass pentaprism optical viewfinder realizing approx. 100% frame coverage



The optical viewfinder, that features clear viewing with approx. 100% frame coverage and magnification ratio of 0.94x*, supports comfortable and precise composition. The high-intensity, high-contrast, energy-saving organic EL display element, newly employed for the viewfinder information display beneath the image area, also contributes to the excellent visibility. The response of the display in low-temperature conditions has been further improved.

*50mm f/1.4 lens at infinity, -1.0 m¹.

Newly employed, wide-viewing-angle, 8-cm/3.2-in., approx. 1229k-dot, LCD monitor with an RGBW alignment for enhanced visibility [NEW]

Thanks to its new RGBW alignment, the newly employed, large, high-resolution LCD monitor features improved brightness. Combined with the integrated glass-and-panel structure*, it greatly enhances visibility, even under bright conditions.

*Equivalent to that utilized in the D4, D800 series and D600.



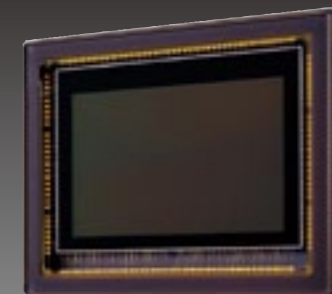
Exquisite detail reproduction thanks to 24.1 effective megapixels and an image sensor unit designed without an optical low-pass filter [NEW]

In order to maximize the high resolution realized by its high pixel count, the D7100's image sensor unit does not integrate an optical low-pass filter (OLPF)*. This system successfully brings out NIKKOR lenses' sharp rendering performance to make full use of the 24.1-megapixel resolution achieved with the Nikon DX-format CMOS sensor, delivering stunning reproduction of details with depth.

*An optical low-pass filter sacrifices a slight degree of resolution, while reducing false color and moiré.

High-performance EXPEED 3 image-processing engine

Nikon's exclusive image-processing engine EXPEED 3 handles multiple tasks at ultra-fast speeds while maintaining high precision in order to maximize the potential of 24.1 megapixels in stills and movies. The result: superior color reproduction, rich tonal gradation and high image quality at high ISO.



24.1 WITHOUT OLPF

MEGAPIXELS

EXQUISITE DETAIL REPRODUCTION WITH SUPERIOR CLARITY

ISO sensitivity expandable to ISO 25600 equivalent with superior noise reduction

The D7100 is capable of clear and exquisite image quality across ISO 100 to 6400, which can go up to Hi 2, an ISO 25600 equivalent. The camera's intelligent noise-reduction system delivers smooth, saturated color without sacrificing fine detail, even with low-contrast subjects, in both stills and movies.

Spot White Balance that measures white balance during live view [NEW]

Spot White Balance allows you to easily acquire preset manual data by choosing a specific area of the scene during live view. Pinpoint white balance setting is realized according to your subject or a part of it in the monitor. This eliminates the need to use a gray card or change lenses, even when employing super-telephoto lenses. This comes in handy when shooting in mixed-lighting situations like stadium sports events.

Other features:

Active D-Lighting/HDR (High Dynamic Range)/Picture Control

RELIABILITY BEYOND ITS CLASS CONCENTRATED IN A COMPACT, LIGHTWEIGHT DX-FORMAT SYSTEM

1. Compact and lightweight body, lighter than the D7000, adopts durable magnesium alloy and superior weather and dust sealing

always gives you direct access to frequently used functions.

2. High-speed, highly precise sequential control mechanism

The driving mechanism, that powers aperture and mirror independently, enables continuous shooting of up to approx. 7 fps*^{1,2}, a release time lag of 0.052 s*¹ and smooth, quiet live view photography. Incorporating a mirror balancer has contributed to a more stable viewfinder image during high-speed continuous shooting.

*1 Based on CIPA Guidelines.

*2 In 1.3x crop of DX mode with JPEG/12-bit NEF (RAW).

3. Highly accurate and durable shutter unit that achieves shutter speeds up to 1/8000 s and tested over 150,000 cycles on a fully assembled camera

4. Your shortcut to frequently used settings: the convenient **i** button [NEW]

When viewing playback images or in viewfinder or live view shooting, the new **i** button



5. Built-in flash with a commander function supports Advanced Wireless Lighting

6. Double SD card slots compatible with UHS-I

The D7100's double SD card slots compatible with the SDXC UHS-I standard support smooth handling of the shooting data.

7. MB-D15 Multi-Power Battery Pack (optional) [NEW]

Supports EN-EL15 Rechargeable Li-ion Battery or AA-size alkaline, Ni-MH or lithium batteries.

8. Advanced multifunctional, WR-1 Wireless Remote Controller (optional) [NEW]

The WR-1 (transceiver) is an advanced multifunctional remote controller that allows you to view the status of or change settings*¹ of the D7100. Utilizing radio waves, the communication range between WR-1 units is up to 120 m/394 ft*². Fifteen channels are available. You can not only remotely control a camera with a WR-1

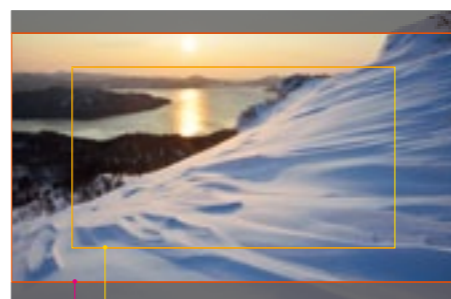
(used as a receiver) attached by operation of another WR-1 (used as a transmitter)*³, but also perform simultaneous or synchronized release of shutters on several cameras using the WR-1*⁴. Furthermore, there is a wide variety of options for remote shooting, which includes dividing remote cameras into groups and controlling each group separately, and Interval Timer Photography. Remote shooting by combining the WR-1 with WR-R10/WR-T10 is also possible*³.

*1 Functions limited.

*2 Approximate range at height of about 1.2 m/4 ft; varies with weather conditions and presence or absence of obstacles.

*3 This requires pairing of the WR-1, WR-R10 and WR-T10 units in use. Maximum number of controllers that can be paired: 20 (WR-1) or 64 (WR-R10).

*4 Only a camera with a ten-pin remote terminal can be employed as a master camera for Synchronized Release.



Movie image area based on 1.3x crop of DX
DX-based movie format

Other features:

Optional ME-1 Stereo Microphone compatibility/External headphone connector/Flicker reduction function/In-camera movie editing functions/Uncompressed HDMI output of movie live view data



MB-D15 Multi-Power Battery Pack attached to the D7100



WR-1 Wireless Remote Controller attached to the D7100

