DX

I AM THE STEP UP TO EXCELLENCE

D7200

www.europe-nikon.com

At the heart of the image

Nikon

• Lens: AF-S NIKKOR 70–200mm f/4G ED VR • Image quality: JPEG fine (8-bit) • Exposure: [M] mode, 1/60 second, f/5 • White balance: Incandescent • Sensitivity: ISO 6400 • Picture Control: Standard ©Andrew Hancock

• Lens: AF-S NIKKOR 20mm f/1.8G ED • Image quality: JPEG fine (8-bit) • Exposure: [M] mode, 1/200 second, f/2.2 • White balance: Incandescent • Sensitivity: ISO 6400 • Picture Control: Standard ©Andrew Hancock

• Lens: AF-S DX NIKKOR 35mm f/1.8G • Image quality: 14-bit RAW (NEF) • Exposure: [M] mode, 1/100 second, f/2.8 • White balance: Incandescent • Sensitivity: ISO 6400 • Picture Control: Standard ©Andrew Hancock

• Lens: AF-S DX NIKKOR 10–24mm f/3.5–4.5G ED • Image quality: 14-bit RAW (NEF) • Exposure: [M] mode, 1/400 second, f/7.1 • White balance: Cloudy • Sensitivity: ISO 100 • Picture Control: Adjusted from Flat ©Andrew Hancock

• Lens: AF-S NIKKOR 20mm f/1.8G ED • Image quality: JPEG fine (8-bit) • Exposure: [M] mode, 1/20 second, f/2 • White balance: Auto 1 • Sensitivity: ISO 6400 • Picture Control: Standard ©Andrew Hancock

• Lens: AF-S NIKKOR 300mm f/4E PF ED VR • Image quality: 14-bit RAW (NEF) • Exposure: [M] mode, 1/1000 second, f/5 • White balance: Direct sunlight • Sensitivity: ISO 1600 • Picture Control: Standard ©Andrew Hancock

Your world. Endless inspiration.

Passionate photographers and videographers never stop pushing the envelope. Rigorously conceived at the highest level, the D7200 DX-format D-SLR will inspire your creativity further. Its new AF sensor module gives you the strengthened performance to nail your subject, while enhanced buffer capacity increases the number of shots in continuous shooting. With the built-in Wi-Fi® function, you can share images instantly and easily, and the new EXPEED 4 image-processing engine ensures they are finessed, with less noise even in low-light situations. You can also take advantage of a wide variety of Full-HD movie functions.

Used together with NIKKOR lenses and Speedlights,
the D7200 offers a compact, rugged and versatile camera system.

Shoot nimbly. Think creatively.

Your imagination is the only limit now.

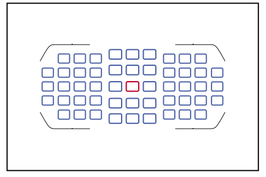
D7200

Your world. Sharp, up close, in fractions of a second.

-3 EV

New 51-point AF with improved performance, even in low light

The D7200's new professional-level Advanced Multi-CAM 3500 II autofocus sensor module offers phenomenal precision. Superior sensitivity down to -3 EV (ISO 100, 20°C/68°F) enables incredible performance in low-light situations. The 51 focus points cover a wide area of the frame in DX format, and the entire frame in 1.3× crop mode. 15 cross-type sensors in the centre deliver superior subject acquisition, and the centre point is compatible with f/8 for greater focusing performance even when using teleconverters. From low-lit interiors to sports or wildlife, the system's outstanding focusing performance, wide AF coverage and vast lens compatibility make it easier to capture various scenes sharply.



AF detection down to -3 EV
AF detection down to -2 EV or below (above -3 EV)

100 shots

Continuous shooting increased to 100 shots (JPEG fine/Large) at 6 fps

Capture action like never before. The rapid processing speed of EXPEED 4 and an increased buffer size allow the D7200 to keep shooting for longer in a continuous sequence. The camera can capture 100 shots*1 at 6 fps*2 when using JPEG fine/Large image size, and up to 27 shots when using RAW. For even more speed, the camera shoots at up to approx. 7 fps*2 in 1.3× crop. And thanks to the camera's mirror-balance mechanism, you can enjoy a stable viewfinder image even during continuous shooting of fast-moving subjects.

Image area of DX
Image area of 1.3×

*1 The approximate number of pictures that can be stored on a 16 GB SanDisk Extreme Pro 95 MB/s UHS-I SDHC card at ISO 100. Buffer capacity varies depending on the scene recorded.
*2 Based on CIPA Guidelines.
Note: Maximum frame rate in live view is 3.7 fps.

Image quality	**Buffer capacity:** DX (24×16) image area
JPEG fine, Large	100
NEF (RAW), Lossless compressed, 12-bit	27
NEF (RAW), Lossless compressed, 14-bit	18

Your world. Sumptuous and clear, even in low light.

ISO 100–25600

Standard ISO up to 25600 with superb image quality thanks to EXPEED 4 image-processing engine

The benefits of the new EXPEED 4 image-processing engine become clearly apparent in low light. Its advanced technology raises the D7200's highest standard ISO to 25600, two full stops higher than its predecessor. As well as reducing noise, EXPEED 4 also helps preserve sharpness and textures at relatively high ISO settings. This gives photographers more leeway to attain an optimum shutter speed and avoid subject blur, for instance when shooting moving subjects as daylight fades. It also allows videographers to shoot clean footage of night-time streets, for example, without the need for additional lights.

ISO 12800

EXPEED 4

Stunning images right out of the camera

If you want to experience the impressive potential of the D7200, just take a look at the quality of the images processed in-camera. Thanks to the accurate auto white balance and colour reproduction of EXPEED 4, clear skies are reproduced in faithful blues and portraits are rendered with clean, natural skin tones, especially when using the Standard Picture Control setting. Images boast a crisp, three-dimensional look, thanks also to sharp, high-performance NIKKOR lenses and the 24.2-megapixel resolution delivered by the camera's DX-format image sensor, which is specifically designed without an optical low-pass filter.

Note: Nikon and EXPEED logomarks are not actually imprinted.

Skin tones come out clear and natural, straight from the camera.

Skies are reproduced with faithful blues.

Your world. Nuanced looks that you control.

Picture Control with new Flat option

Standard

Adjusted from Flat

Nikon's exclusive image creation system is even more powerful with the D7200. It offers a new level of customisation and creative control for users to pursue their own imaging. The newly added Flat option retains more information from shadows to highlights, compared with other options. Even after adjusting this Picture Control option, there is less possibility of clipping in shadows and highlights, or of colour saturation, resulting in images with beautiful colour gradation and contrast. This is effective when you want to emphasise healthy skin tones, render finely detailed greens in landscape shots or reveal highlight details in flower petals. In movies, the rich data obtained with Flat is useful for colour grading, with less risk of oversaturation, blocked-up shadows or blown-out highlights.

New clarity parameter and finer control over your images

Clarity set to -5 to make the skin look smoother

Clarity set to +3 to reveal facial texture

If the camera's Picture Control default settings give your images a look that's close to what you want but not an exact match, don't worry. You can still adjust parameters such as contrast and saturation in 0.25 increments* via the D7200's Picture Control menu. You can also use the new clarity parameter to increase or soften the clarity of your subject in still images, all while maintaining the level of detail and saturation you want. If more detailed customisation is desired, Picture Control Utility 2 software (available for free download) lets you make minute adjustments using tone curves and sliders, and you can confirm changes on a larger computer screen. Adjusted Picture Controls can be saved as custom Picture Controls and downloaded to the D7200 via the SD memory card. This lets you use those adjusted controls when shooting still images and video, or they can be applied to RAW (NEF) data for processing in Capture NX-D.

Picture Control Utility 2

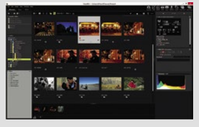
*Excluding quick adjust and filter effects.

Capture NX-D for developing NEF (RAW) files (free download)

Capture NX-D software is the ideal tool for your RAW (NEF) data. It offers a selection of key editing functions, like white balance adjustment, lens aberration correction and unsharp masking. The simple interface lets you see the effects of each change in a comparison view, as well as stack your preferred control panels for maximum usability.

New ViewNX-i browsing software for still images and movies (free download)

ViewNX-i offers a convenient way to view your JPEG, RAW and movie files, and utilize them in coordination with other Nikon software. When you want to share your images, the software simplifies the process of uploading to various social media. And by activating the included ViewNX-Movie Editor, you can perform simple movie edits, too.



Your world. Creatively illuminated.

Intelligent built-in flash with commander function works i-TTL magic

The D7200 incorporates a built-in pop-up flash with a guide number of approx. 12/39 (m/ft, ISO 100, 20°C/68°F). Featuring intelligent i-TTL flash control, it casts just the right amount of light to produce beautifully balanced fill flash when subjects are darker than their surroundings. Its commander function allows the built-in flash to wirelessly trigger and control up to two groups of remote Speedlights (optional) from the camera.

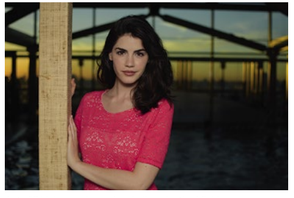
The D7200's built-in flash can control up to two groups of remote Speedlights wirelessly.

Balanced fill flash at dusk.

Nikon Creative Lighting System for studio-quality lighting

Adding one or two Nikon Speedlights to your camera bag gives you the power to create impressive lighting effects with ease. Thanks to the Nikon Creative Lighting System (CLS), the D7200 offers various lighting functions, including Advanced Wireless Lighting and auto FP high-speed sync. These functions are useful in bright daylight when you want to freeze fast-moving action or illuminate a backlit portrait subject against a soft background.

Note: Range of AF-assist illuminator may be shorter than expected depending on the shooting situation.



Auto FP high-speed sync for shallow depth of field.

Compact, lightweight SB-500 Speedlight with high-performance LED light (optional)

The new SB-500 is a compact, lightweight Speedlight that enables numerous CLS functions, and is powered by just two R6/AA-size batteries. With a guide number of 24/78.7 (m/ft, ISO 100, 23°C/73.4°F), its flash head tilts up to 90° and rotates horizontally 180°, making it easy to bounce the flash off the ceiling or walls. The newly installed LED light (with a choice of three output levels) has a colour temperature similar to sunlight and can serve as an auxiliary light for both still and movie shooting.

SB-500

Auto FP high-speed sync for freezing fast-moving action.

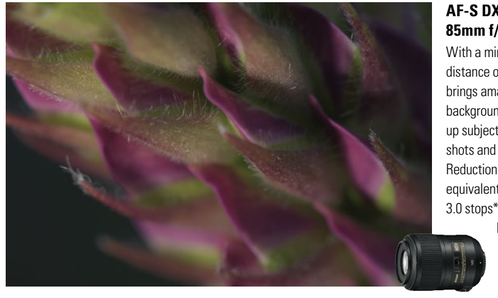
• Lens: AF-S NIKKOR 300mm f/4E PF ED VR • Image quality: JPEG fine (8-bit) • Exposure: [M] mode, 1/8000 second, f/5 • White balance: Auto 2 • Sensitivity: ISO 1250 • Picture Control: Standard ©Andrew Hancock

90 million NIKKOR

Your world. Through different eyes.

AF-S NIKKOR 20mm f/1.8G ED

This fast lens is ideal for rendering beautiful bokeh or shooting in low-light situations. It incorporates the latest optical technology to deliver high resolution and superb point-image reproduction, while minimising chromatic aberration. Its Nano Crystal Coat reduces ghost and flare.



AF-S DX Micro NIKKOR 85mm f/3.5G ED VR

With a minimum focus distance of 0.286 m, this lens brings amazing sharpness and background bokeh to close-up subjects, portraits, nature shots and more. Vibration Reduction (VR) offers an effect equivalent to a shutter speed 3.0 stops* faster, for steadier handheld shooting.

AF-S DX NIKKOR 10–24mm f/3.5–4.5G ED

The ultra-wide-angle coverage of this lens is ideal for narrow interiors, architecture, landscapes, and any other scene where you want to create a dramatic perspective. A minimum focus distance of 0.24 m and minimised distortion broaden its range of creative applications.

AF-S NIKKOR 70–200mm f/4G ED VR

This compact, lightweight telephoto zoom lens achieves amazing sharpness and fast autofocus across a wide range of shooting situations. Its Nano Crystal Coat effectively reduces ghost and flare, while Vibration Reduction (VR) offers an effect equivalent to a shutter speed 4.0 stops* faster. A close-up capability up to 1.0 m is an added advantage.

*Based on CIPA Standards.

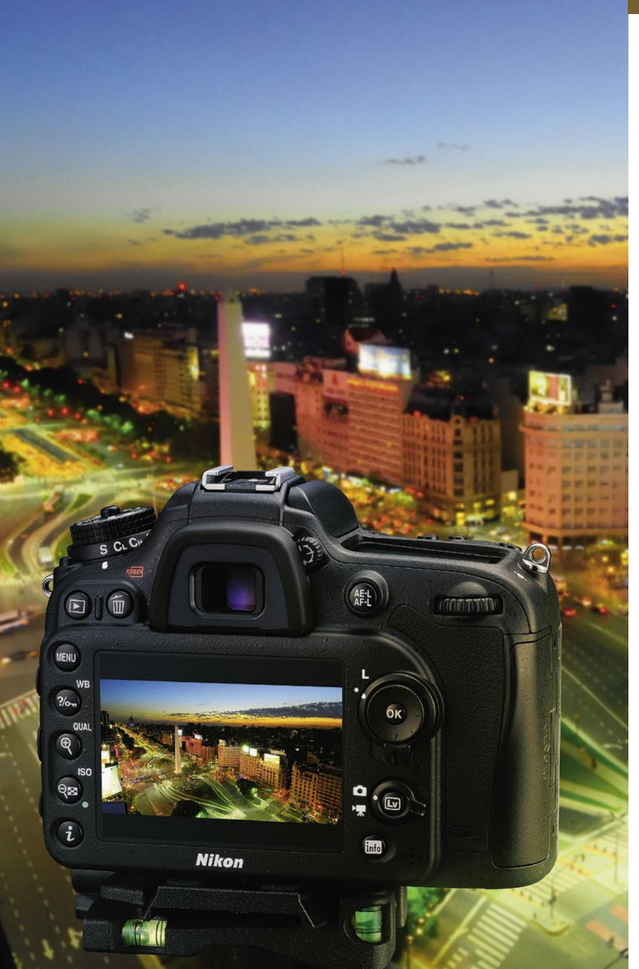
The new AF-S NIKKOR 300mm f/4E PF ED VR gets really compact and light

*The AF-S NIKKOR 300mm f/4E PF ED VR is a lightweight fixed-focal-length 300mm AF lens that you can easily employ without a monopod or tripod. It uses optically advanced PF (Phase Fresnel) lens technology*1 to offer incredibly small and light form factor, and excellent chromatic aberration reduction for clear and sharp images. In addition to a 4.5-stop equivalent*2 VR effect for static subjects in NORMAL mode, the lens offers SPORT mode for when you need to follow fast-moving action.*

Smaller and lighter than the conventional AF-S NIKKOR 300mm f/4D IF-ED

**1 Due to the characteristics of a PF lens that utilises the photo diffraction phenomenon, ring-shaped coloured flare may occur according to shooting conditions. This phenomenon can be minimized with "PF Flare Control" included in Capture NX-D. (Please download and use the latest version).*

**2 Based on CIPA Standards.*



Your world. In smooth motion, from darkness to light.

In-camera time-lapse photography with smoother exposure transitions

Experiment with new forms of creative expression. For the first time in a Nikon DX-format camera, the D7200 lets you create beautifully rendered time-lapse movies entirely in-camera. Thanks to Nikon's exclusive exposure-smoothing function, footage is free any distracting flicker. You can shoot long sequences easily and comfortably using A mode even when brightness levels change significantly, such as during the transition from darkness to light at sunrise or sunset. Exposure smoothing is also available for interval-timer photography, which can now accommodate up to 9,999 shots and deliver high resolution footage. This means you can easily add pan and zoom effects when editing the pictures into a Full-HD movie.

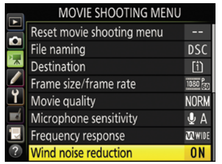
Full-HD video for diverse shooting scenarios

The D7200's video features provide exceptional flexibility in order to meet the needs of multimedia users. The D7200 gives moviemakers the ability to record Full HD movies in two different formats: DX- and 1.3×-based. The latter allows you to capture a distant subject in a larger size, as well as record at 1080/60p for smooth motion footage. The EXPEED 4 image-processing engine displays superb image quality across the entire ISO range from 100 to 25600, reducing the need for additional lighting. And if you intend to colour grade, the new Flat Picture Control is ideal as, it maintains shadow and highlight detail, rich tones and colours, and can reduce the risk of oversaturation even after grading. For the highest quality files, it's also possible to transfer uncompressed video directly onto an external recorder via the optional HC-E1 HDMI Cable while recording simultaneously to the camera's SD memory cards.

Auto ISO sensitivity control for recording with a fixed shutter speed and aperture in M mode

Maintaining proper movie exposures is always a challenge when the camera has to pan or move between areas of different brightness. But the D7200's auto ISO sensitivity control handles this effortlessly. For example, if you're filming a subject running from a dark corridor into the midday sun in a single sequence, the auto ISO control helps maintain an appropriate exposure with fixed shutter speed and aperture according to the transition of light.

Dedicated movie shooting menu for enhanced operating efficiency



Multimedia users will appreciate the D7200's new dedicated movie menu, which collects your most frequently used movie-shooting options in one place. You can also assign settings such as white balance and Picture Control independently of the ones you use for still images, allowing you to shoot more efficiently.

Highlight display helps avoid overblown highlights

To ensure the best results in movie shooting, the D7200 has a handy feature that uses 'zebra' patterns to indicate areas at risk of blown-out highlights. This feature can be quickly accessed via the camera's "i" button, and you can avoid recording the 'zebra' patterns when outputting to an external HDMI recorder.

High-fidelity audio control for monitoring and adjusting sound levels while recording

The D7200 has a built-in stereo microphone and sensitivity levels can be adjusted during movie recording, as you monitor audio via headphones connected to the camera. You can also set the audio frequency depending on what's being recorded, while wind noise reduction is available when using the built-in microphone. For more professional-sounding results, connect the external ME-1 Stereo Microphone (optional) to record even clearer audio with minimised mechanical noise.

Handy, water-resistant ME-W1 Wireless Microphone (optional) for video bloggers

When you want to record the voice of a distant subject easily, try the new, handy ME-W1 Wireless Microphone. Microphone and receiver units let you record clear monaural audio from subjects up to approx. 50 m away, or you can attach the ME-1 Stereo Microphone to the microphone for stereo recording. It is also possible to record audio from both the subject with the microphone and the videographer near the receiver, and to use those units for communication*. And thanks to the water resistant design, these units are ready for to face the elements too.

*Requires commercially available headphones or earphones.

Your world. With expanded horizons.

Built-in Wi-Fi and NFC*1 for faster, easier communication

Do you want to share your creative output right after shooting? The D7200's built-in Wi-Fi capability allows it to interact wirelessly with smart devices installed with Wireless Mobile Utility*2. It's also the first Nikon D-SLR that's NFC-compatible, simplifying wireless communication even more. You can also use your smart device as a remote shutter release for shooting stills. This will provide new ways of taking photos, such as self-portraits and group photos, and allow more dynamic and original camera placements.

*1 NFC is compatible only with Android OS.
*2 Can be downloaded free from the appropriate app store.
Note: It may sometimes be difficult to establish a connection via NFC depending on the smart device or situation. In such a case, simply connect using Wi-Fi.

Special Effects for instant creative looks

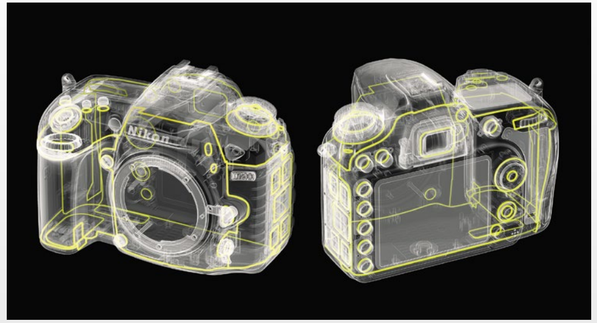
Miniature effect*

The D7200 offers a pool of eye-catching, ready-made visual effects that can be applied to both stills and video at the time of shooting, letting you achieve a unique look immediately.

*Miniature effect movies play back at high speed.

Optical viewfinder with approx. 100% frame coverage for enhanced clarity and visibility

The D7200's viewfinder produces a brighter image with even more accurate colour, while providing approx. 100% frame coverage in DX format. The organic EL display element used to show information below the image area in the viewfinder delivers a bright, high-contrast display with low power consumption. You can expect exceptional visibility outdoors, even with harsh backlighting.



- **Active D-Lighting to preserve details in highlights and shadows even when the scenes include moving subjects**
- **High Dynamic Range (HDR) to reproduce richer tones of still objects by automatically combining two different exposures in-camera**
- **Unlimited continuous shooting* for virtually seamless light-trail photography**
  *When using continuous shooting mode (CH or CL) and a shutter speed set at 4 s or slower.
- **High-resolution LCD monitor with color customization capability**
- **Intuitive "i" button for direct access to frequently used functions**
- **A single charge of the EN-EL15 Rechargeable Li-ion Battery achieves approx. 1,110 shots* and movies of approx. 80 min.***
  *Based on CIPA Standards.
- **Durable shutter unit tested for 150,000 cycles**
- **Rugged body and sealing for reliable dust and rain protection**
- **Two SD memory card slots for efficient data-recording management**

WR-1, WR-R10/WR-T10 Wireless Remote Controllers (optional) for efficient and creative shooting

Utilising radio waves, the WR-R10/WR-T10 enables remote control of the D7200 across approx. 20 m*1, even when obstacles such as trees or walls stand in the way. It's possible to control single or multiple cameras with the WR-R10 attached (the number of cameras is unlimited) by using the WR-T10 as a transmitter. For more demanding users, the WR-1 advanced multifunctional remote controller offers greater possibilities. With one WR-1 configured as a transmitter and another WR-1 or WR-R10*2 attached to the D7200 as a receiver, it's possible to view or change camera settings*3 using the transmitter display. The communication range between WR-1 units stretches to 120 m*1 with 15 channels available. In addition to remote control of a camera with a WR-1 attached, there are various other professional-grade remote-shooting options, such as simultaneous release of shutters on several cameras and interval timer photography. Remote shooting by combining a WR-1 with WR-R10/WR-T10 is also possible.

WR-1 attached to the D7200

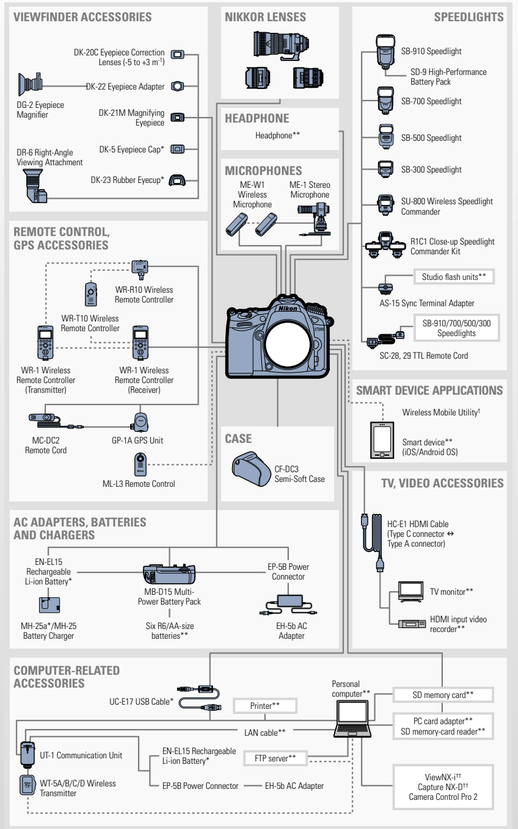
WR-R10 attached to the D7200

WR-1

WR-T10

*1 Approximate range at height of about 1.2 m. Varies with weather conditions and presence of obstacles.
*2 Firmware update to ver. 2.00 is required.
*3 Functions limited.

System chart



† Can be downloaded from the app store of each smart device (free). †† Can be downloaded from Nikon website (free).
*Supplied accessories **Non-Nikon products

Nikon Digital SLR Camera D7200 Specifications

Type of camera	Single-lens reflex digital camera
Lens mount	Nikon F mount (with AF coupling and AF contacts)
Effective angle of view	Nikon DX format; focal length in 35 mm [135] format equivalent to approx. 1.5× that of lenses with FX format angle of view
Effective pixels	24.2 million
Image sensor	23.5 × 15.6 mm CMOS sensor
Total pixels	24.72 million
Dust-reduction system	Image sensor cleaning, Image Dust Off reference data (Capture NX-D software required)
Image size (pixels)	• DX (24×16) image area: 6000 × 4000 [L], 4496 × 3000 [M], 2992 × 2000 [S] • 1.3× (18×12) image area: 4800 × 3200 [L], 3600 × 2400 [M], 2400 × 1600 [S] • Photographs with image area of DX (24×16) taken with live view selector rotated to 🎥 in live view: 6000 × 3368 [L], 4496 × 2528 [M], 2992 × 1680 [S] • Photographs with image area of 1.3× (18×12) taken with live view selector rotated to 🎥 in live view: 4800 × 2696 [L], 3600 × 2024 [M], 2400 × 1344 [S]
File format	• NEF (RAW): 12 or 14 bit, lossless compressed or compressed • JPEG: JPEG-Baseline compliant with fine (approx. 1:4), normal (approx. 1:8) or basic (approx. 1:16) compression (Size priority); Optimal quality compression available • NEF (RAW)+JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats
Picture Control System	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape, Flat; selected Picture Control can be modified; storage for custom Picture Controls
Storage media	SD (Secure Digital) and UHS-I compliant SDHC and SDXC memory cards
Double card slot	Slot 2 can be used for overflow or backup storage or for separate storage of copies created using NEF+JPEG; pictures can be copied between cards
File system	DCF 2.0, DPOF, Exif 2.3, PictBridge
Viewfinder	Eye-level pentaprism single-lens reflex viewfinder
Frame coverage	• DX (24×16) image area: Approx. 100% horizontal and 100% vertical • 1.3× (18×12) image area: Approx. 97% horizontal and 97% vertical
Magnification	Approx. 0.94× (50 mm f/1.4 lens at infinity, -1.0 m^{-1})
Eyepoint	19.5 mm (-1.0 m^{-1}; from centre surface of viewfinder eyepiece lens)
Diopter adjustment	-2 to +1 m^{-1}
Focusing screen	Type B BriteView Clear Matte Mark II screen with AF area brackets (framing grid can be displayed)
Reflex mirror	Quick return
Depth-of-field preview	Pressing Pv button stops lens aperture down to value selected by user (**A** and **M** modes) or by camera (other modes)
Lens aperture	Instant return, electronically controlled
Compatible lenses	Compatible with AF NIKKOR lenses, including type G, E and D lenses (some restrictions apply to PC lenses) and DX lenses, AI-P NIKKOR lenses, and non-CPU AI lenses (**A** and **M** modes only); IX-NIKKOR lenses, lenses for the F3AF, and non-AI lenses cannot be used The electronic rangefinder can be used with lenses that have a maximum aperture of f/5.6 or faster (the electronic rangefinder supports the centre focus point with lenses that have a maximum aperture of f/8 or faster)
Shutter type	Electronically controlled vertical-travel focal-plane shutter
Shutter speed	1/8000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time, X250
Flash sync speed	X=1/250 s; synchronizes with shutter at 1/320 s or slower (flash range drops at speeds between 1/250 and 1/320 s)

Release modes	**S** (single frame), **CL** (continuous low speed), **CH** (continuous high speed), **Q** (quiet shutter-release), ⏲ (self-timer), **MUP** (mirror up)
Approximate frame advance rate	• JPEG and 12-bit NEF (RAW) images recorded with DX (24×16) selected for image area: **CL** 1 to 6 fps, **CH** 6 fps • JPEG and 12-bit NEF (RAW) images recorded with 1.3× (18×12) selected for image area: **CL** 1 to 6 fps, **CH** 7 fps • 14-bit NEF (RAW) images recorded with DX (24×16) selected for image area: **CL** 1 to 5 fps, **CH** 5 fps • 14-bit NEF (RAW) images recorded with 1.3× (18×12) selected for image area: **CL** 1 to 6 fps, **CH** 6 fps Maximum frame rate in live view is 3.7 fps
Self-timer	2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s
Remote control modes (ML-L3)	TTL exposure metering using 2016-pixel RGB sensor
Exposure metering	TTL exposure metering using 2016-pixel RGB sensor
Metering method	• Matrix: 3D colour matrix metering II (type G, E and D lenses); colour matrix metering II (other CPU lenses); colour matrix metering available with non-CPU lenses if user provides lens data • Centre-weighted: Weight of approx. 75% given to 8-mm circle in centre of frame; diameter of circle can be changed to 6, 10, or 13 mm, or weighting can be based on average of entire frame (non-CPU lenses use 8-mm circle) • Spot: Meters circle with diameter of about 3.5 mm (about 2.5% of frame) centred on selected focus point (on centre focus point when non-CPU lens is used)
Metering range (ISO 100, f/1.4 lens, 20°C/68°F)	• Matrix or centre-weighted metering: 0 to 20 EV • Spot metering: 2 to 20 EV
Exposure meter coupling	Combined CPU and AI
Exposure modes	Auto modes (📷 auto; 🚫 auto [flash off]); scene modes (🧍 portrait; 🏞 landscape; 👶 child; 🏃 sports; 🌷 close up; 🌃 night portrait; 🌃 night landscape; 🎉 party/indoor; 🏖 beach/snow; 🌅 sunset; 🌆 dusk/dawn; 🐕 pet portrait; 🕯 candlelight; 🌸 blossom; 🍁 autumn colours; 🍴 food); special effects modes (🌃 night vision; 🎨 colour sketch; 🏙 miniature effect; 🖌 selective colour; 🚶 silhouette; ▦ high key; ▩ low key); programmed auto with flexible program (**P**); shutter-priority auto (**S**); aperture-priority auto (**A**); manual (**M**); U1 (user settings 1); U2 (user settings 2)
Exposure compensation	Can be adjusted by -5 to +5 EV in increments of 1/3 or 1/2 EV in **P**, **S**, **A**, **M**, **SCENE** and 🎞 modes
Exposure lock	Luminosity locked at detected value with AE-L/AF-L button
ISO sensitivity (Recommended Exposure Index)	ISO 100 to 25600 in steps of 1/3 or 1/2 EV; in **P**, **S**, **A**, **M** modes, can also be set to approx. 1 or 2 EV (ISO 102400 equivalent; monochrome only) above ISO 25600; auto ISO sensitivity control available
Active D-Lighting	Auto, extra high, high, normal, low, off
Autofocus	Nikon Advanced Multi-CAM 3500 II autofocus sensor module with TTL phase detection, fine-tuning, 51 focus points (including 15 cross-type sensors; f/8 supported by one sensor), and AF-assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.)
AF detection range	-3 to +19 EV (ISO 100, 20°C/68°F)
Lens servo	• Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C selection (AF-A); predictive focus tracking activated automatically according to subject status • Manual focus (M): Electronic rangefinder can be used
Focus point	Can be selected from 51 or 11 focus points
AF-area modes	Single-point AF; 9-, 21- or 51-point dynamic-area AF, 3D-tracking, auto-area AF
Focus lock	Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by pressing AE-L/AF-L button

Built-in flash	🚫, 🧍, 👶, 🌷, 🌃, 🎉, 🐕, 🎨: Auto flash with auto pop-up **P**, **S**, **A**, **M**, 🍴: Manual pop-up with button release
Guide number	Approx. 12/39, 12/39 with manual flash (m/ft, ISO 100, 20°C/68°F)
Flash control	TTL: i-TTL flash control using 2016-pixel RGB sensor is available with built-in flash; i-TTL balanced fill-flash for digital SLR is used with matrix or centre-weighted metering, standard i-TTL fill-flash for digital SLR with spot metering
Flash modes	Auto, auto with red-eye reduction, auto slow sync, auto slow sync with red-eye reduction, fill-flash, red-eye reduction, slow sync, slow sync with red-eye reduction, rear-curtain with slow sync, rear-curtain sync, off; auto FP high-speed sync supported
Flash compensation	-3 to +1 EV in increments of 1/3 or 1/2 EV
Flash-ready indicator	Lights when built-in flash or optional flash unit is fully charged; blinks after flash is fired at full output
Accessory shoe	ISO 518 hot-shoe with sync and data contacts and safety lock
Nikon Creative Lighting System (CLS)	Nikon CLS supported; commander mode option available
Sync terminal	AS-15 Sync Terminal Adapter (available separately)
White balance	Auto (2 types), incandescent, fluorescent (7 types), direct sunlight, flash, cloudy, shade, preset manual (up to 6 values can be stored, spot white balance measurement available during live view), choose colour temperature (2500 K to 10000 K), all with fine-tuning
Bracketing types	Exposure, flash, white balance and ADL
Live view modes	📷 (photo live view), 🎥 (movie live view)
Live view lens servo	• Autofocus (AF): Single-servo AF (AF-S); full-time servo AF (AF-F) • Manual focus (M)
AF-area modes	Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF
Autofocus	Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected)
Movie metering	TTL exposure metering using main image sensor
Movie metering method	Matrix or centre-weighted
Frame size (pixels) and frame rate	• 1920 × 1080; 60p (progressive), 50p, 30p, 25p, 24p • 1280 × 720; 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p and 24p are 59.94, 50, 29.97, 25 and 23.976 fps respectively; options support both ★high and normal image quality 1920 × 1080; 60p and 50p are available only when 1.3× (18×12) is selected for image area in the movie shooting menu
File format	MOV
Video compression	H.264/MPEG-4 Advanced Video Coding
Audio recording format	Linear PCM
Audio recording device	Built-in or external stereo microphone; sensitivity adjustable
Maximum length	29 min. 59 s (10 or 20 min. depending on frame size/rate and movie quality settings)
Other movie options	Index marking, time-lapse photography
Monitor	8-cm/3.2-in., approx. 1229 k-dot (VGA; 640 × 480 × 4 = 1,228,800 dots), TFT monitor with approx. 170° viewing angle, approx. 100% frame coverage and brightness adjustment
Playback	Full-frame and thumbnail (4, 9 or 72 images or calendar) playback with playback zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display and auto image rotation

USB	Hi-Speed USB; connection to built-in USB port is recommended
HDMI output	Type C HDMI connector
Accessory terminal	Wireless remote controllers: WR-1 and WR-R10, Remote cord: MC-DC2, GPS unit: GP-1/GP-1A (all available separately)
Audio input	Stereo mini-pin jack (3.5-mm diameter; plug-in power supported)
Audio output	Stereo mini-pin jack (3.5-mm diameter)
Wireless standards	IEEE 802.11b, IEEE 802.11g
Operating frequency	2412 to 2462 MHz (channels 1 to 11)
Range (line of sight)	Approx. 30 m/98 ft (assumes no interference; range may vary with signal strength and presence or absence of obstacles)
Data rate	54 Mbps; maximum logical data rates according to IEEE standard; actual rates may differ
Authentication	Open system, WPA2-PSK
Wireless setup	Supports WPS
Access protocols	Infrastructure
NFC operation	NFC Forum Type 3 Tag
Supported languages	Arabic, Bengali, Bulgarian, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Marathi, Norwegian, Persian, Polish, Portuguese (Portugal and Brazil), Romanian, Russian, Serbian, Spanish, Swedish, Tamil, Telugu, Thai, Turkish, Ukrainian, Vietnamese
Battery	One EN-EL15 Rechargeable Li-ion Battery
Battery pack	Optional MB-D15 Multi-Power Battery Pack with one EN-EL15 Rechargeable Li-ion Battery or six R6/AA-size alkaline, Ni-MH or lithium batteries
AC adapter	EH-5b AC Adapter; requires EP-5B Power Connector (available separately)
Tripod socket	1/4 in. (ISO 1222)
Dimensions (W × H × D)	Approx. 135.5 × 106.5 × 76 mm/5.4 × 4.2 × 3.0 in.
Weight	Approx. 765 g/1 lb 11.0 oz with battery and memory card but without body cap; approx. 675 g/1 lb 7.9 oz (camera body only)
Operating environment	Temperature: 0 to 40°C/32 to 104°F; humidity: 85% or less (no condensation)
Supplied accessories (may differ by country or area)	EN-EL15 Rechargeable Li-ion Battery, MH-25a Battery Charger, UC-E17 USB Cable, AN-DC1 BK Camera Strap, BF-1B Body Cap, DK-5 Eyepiece Cap, DK-23 Rubber Eyecup

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. April 2015

WARNING

TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT. SOME DOCUMENTATION IS SUPPLIED ON CD-ROM ONLY.

Visit the Nikon Europe website at: **www.europe-nikon.com**

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