



Z 6 II™

TRUE MULTIMEDIA POWERHOUSE



# UNPARALLELED STILLS AND VIDEOS WITH NIKKOR Z IN DIVERSE, CHALLENGING SCENARIOS



An electrifying moment in a dramatic still image. Cinematic 4K UHD videos that immerses viewers in another world. The new Nikon Z 6II, powered by NIKKOR Z, lets you create both with more confidence. Dual EXPEED 6 image-processing engines allow continuous shooting at approx. 14 fps up to approx. 124 shots<sup>\*1</sup>. Eye-Detection and Animal-Detection AF are available in both stills and videos. A variety of video recording options now includes 10-bit HDR (HLG) and 4K UHD/50p/60p<sup>\*2</sup>. What's more, the dual memory card slots and new optional MB-N11 Power Battery Pack give you all this versatility in a dependable package. The Z 6II provides a solid hybrid solution for multimedia creators.

- High-speed continuous shooting up to approx. 14 fps with AE/AF tracking and buffer up to approx. 124 shots<sup>\*1</sup>
- Enhanced Eye-Detection and Animal-Detection AF available for both stills and videos
- Wide video recording options ranging from RAW<sup>\*3</sup>, HDR (HLG), N-Log video output to in-camera Picture Controls, serving various needs
- Dual memory card slots supporting CFexpress and UHS-II SD cards for reliable data backup and speedy workflow
- Optional MB-N11 Power Battery Pack offers peace of mind and comfort during vertical shooting
- Growing lineup of NIKKOR Z lenses featuring outstanding depiction for both video and stills, taking advantage of the Z mount's large diameter

<sup>\*1</sup> In high-speed continuous shooting (extended) using single-point AF with 12-bit lossless compressed RAW (L) with Sony CEB-G128 CFexpress card in use.

<sup>\*2</sup> To be supported from February 2021 with firmware update, available in DX-based movie format.

<sup>\*3</sup> Optional with charge.





# Largest mount. Abundant light. The ultimate imaging experience.

## Strikingly sharp, natural look realized with the NIKKOR Z lenses

Make your vision a reality in spectacular stills and videos with NIKKOR Z lenses, empowered by the Z mount. Designed to make full use of the Z mount with its 55-mm diameter, the largest\* among full-frame mirrorless cameras, they take in a huge amount of light to deliver edge-to-edge sharpness, even at the maximum aperture. Bokeh is natural while point light sources are rendered just as your eye sees them. As the NIKKOR Z lens lineup continues to expand, you'll have even more options to help you create breathtaking images and videos.

\* As of October 14th, 2020. Based on Nikon research.

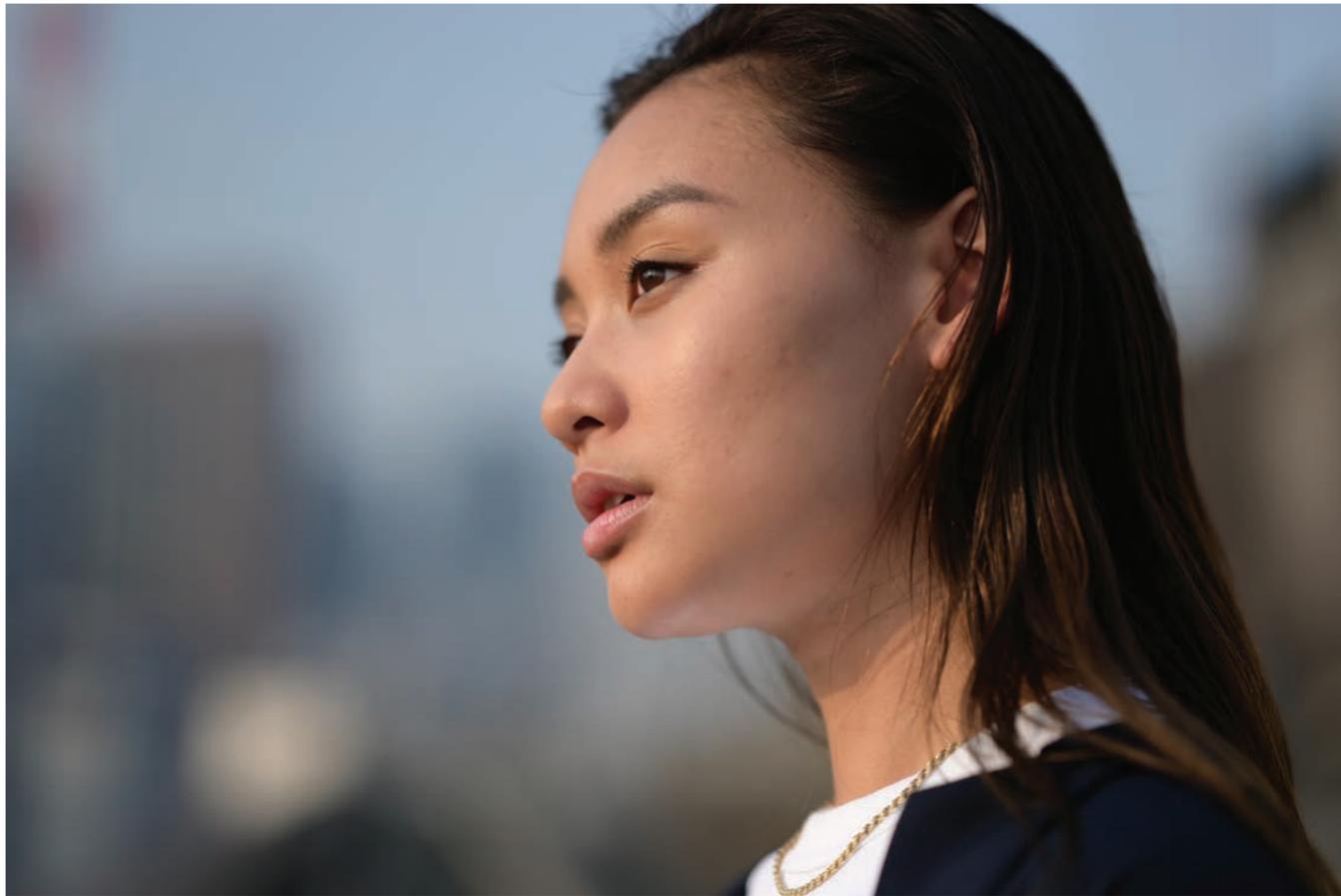


## Your companion for video shooting

NIKKOR Z lenses are designed with video shooting in mind. Focus breathing, a slight shift in the angle of view that can occur when changing focus, is minimized to maintain a consistent composition. Operational noise is reduced thanks to quiet autofocus and aperture drive. Focus (M/A), power aperture, exposure or ISO can be assigned to the control ring for smooth operation. The Z 6II also allows reverse rotation of the focus/control ring, letting you manually focus using whichever rotation direction you are most comfortable with. All NIKKOR Z lenses are designed to produce coherent white tones together with the Z 6II, making it easy to match up the colors in post-production.



Reverse rotation of manual focusing is possible.



**NIKKOR Z 85mm f/1.8 S**

- Exposure: [M] mode, 1/2500 s, f/2
- White balance: Direct sunlight
- Sensitivity: ISO 100 • Picture Control: Portrait

© Kento Mori



**NIKKOR Z f/1.8 prime lens series**

The NIKKOR Z f/1.8 prime lens series can capture sharp images stably across the entire frame, which far exceeds what's expected from lenses of this popular aperture. They come in a wide range of focal lengths, with 20mm, 24mm, 35mm, 50mm and 85mm available, covering diverse subjects from magnificent landscapes to portraits. Thanks to the bright f/1.8 maximum aperture, each allows you to shoot low-light scenes beautifully, whether indoors or out, and create a cinematic look thanks to its large bokeh. The unified control ring position throughout this series makes the operation smoother between lenses.



**NIKKOR Z 20mm f/1.8 S**

- Exposure: [M] mode, 1/50 s, f/5 • White balance: Auto 1
- Sensitivity: ISO 100 • Picture Control: Auto
- Wireless flash options: Radio AWL

© Kento Mori



**NIKKOR Z 70-200mm f/2.8 VR S**

The high-performance NIKKOR Z 70-200mm f/2.8 VR S offers superior optical performance realized in a reliable body. Keeping a constant bright maximum aperture of f/2.8, it lets you capture a variety of subjects, whether portrait, wildlife or compressed city views, in outstandingly sharp depiction throughout the zoom range. The multi-focusing system helps you achieve highly accurate, high-speed AF.



• Exposure: [M] mode, 1/6 s, f/2.8 • White balance: Color Temp. (3800K) • Sensitivity: ISO 800 • Picture Control: Standard



• Lens: NIKKOR Z 70-200mm f/2.8 VR S + Z TELECONVERTER TC-1.4x • Exposure: [M] mode, 1/20 s, f/11  
• White balance: Auto 1 • Sensitivity: ISO 100 • Picture Control: Auto

© Kento Mori



**Z TELECONVERTER TC-1.4x and Z TELECONVERTER TC-2.0x**

The Z TELECONVERTER TC-1.4x and Z TELECONVERTER TC-2.0x broaden your possibilities in telephoto shooting. Combined with the NIKKOR Z 70-200mm f/2.8 VR S, it is possible to capture the subject up-close with an angle of view equivalent to up to 400 mm focal length while retaining the sharpness, AF and VR performance of the main lens. With superior dust- and drip-resistant capability equivalent to that of the S-Line lenses and enhanced anti-fouling performance thanks to its fluorine coat, you can go shooting in harsh conditions, seeking subjects like wildlife and aircraft, without carrying an excessive number of lenses.

## From 12-bit RAW video output to ready-to-go in-camera profiles – Extensive video recording options

Novice videographers may benefit from in-camera Picture Controls, which allow easy video production with minimum color grading. Meanwhile, 12-bit RAW video output, 10-bit N-Log or HDR (HLG) can satisfy professional needs. The Z 6II has got something for everyone's filmmaking requirements.



Z 6II with Atomos Ninja V  
(SmallRig Cage for Nikon Z 6II/Z 7II  
Camera 2926 is recommended.)

### External recording allows incredibly rich colors for grading – 12-bit RAW video output and 10-bit HLG/N-Log

The Z 6II's HDMI output\*1 offers external recording of RAW\*2, 4:2:2 N-Log and Hybrid Log Gamma (HLG). 12-bit RAW video output, a feature obtainable with high-end video cameras, providing maximum flexibility in color adjustment, is available in both 4K UHD and Full HD using Atomos Ninja V. It will also be compatible with Blackmagic Design external recorders with firmware update\*3. 10-bit N-Log records very rich gradation information, capturing up to approx. 1.07

billion colors as well as a wide dynamic range at 12 stops and 1300%, which enables effective color grading. The HLG is convenient for producing HDR videos for HLG monitors. The profile supports ITU-R BT.2100, which features the wide color gamut of the Rec.2020 standard.

\*1 Full HD/100p and 120p are not available.

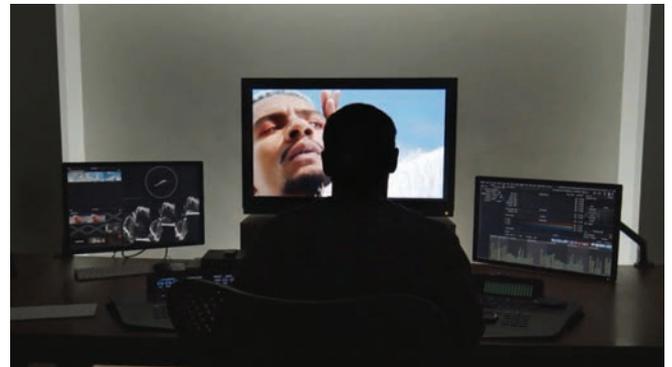
\*2 Optional with charge. Requires shipping of the camera to Nikon.

\*3 Scheduled in February 2021.

After color grading



N-Log



The Z 6II recording options fit professional color grading workflow.

### In-camera profiles for simple or minimum grading – Picture Controls

For those wanting to minimize post-production, the Picture Control Standard in-camera preset comes in handy. To easily add a creative twist, try one of the 20 Creative Picture Controls. Picture Control Flat is for simple grading. It captures 8-bit footage with as much color, texture and brightness information as possible, allowing you to enhance the color simply by adjusting the tone curve,

just like you do with stills. Three sharpness parameters – sharpening, clarity and mid-range sharpening\* – are also available. You can adjust those in advance to increase or decrease sharpness and achieve your ideal look.

\* High image quality mode only for video.



**Clear and crisp video even under low light – Full-frame 4K UHD/30p and Full HD/120p with ISO 100-51200**



The Z 6II lets you produce 4K UHD/30p videos and will also offer 50p/60p with firmware update\*1. The 6K-equivalent rich data it employs ensures that rendering is truly stunning. Together with NIKKOR Z lenses, it delivers extraordinary high-resolution movies. Boasting ISO 100-51200 for low-light situations, the image is clear with minimum noise, reducing the need for additional lighting. The camera also records Full HD/120p or 100p\*2,

for smooth, dramatic slow motion. The APS-C equivalent, DX-based movie format is easily accessible, which can bring you closer to your subject without changing the lens. Separate settings for videos and stills make switching between the two very easy.

\*1 Scheduled in February 2021, available in DX-based movie format.

\*2 Not available with HDMI output.



High image quality with minimum noise at high ISO.



Eye-Detection AF in wide-area AF (L – people)

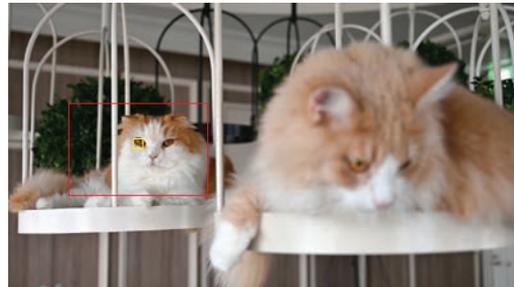
### More convenient, reliable video AF – Enhanced with Eye-Detection and Animal-Detection AF

AF is critical when filming alone on a gimbal without a focus puller: The Z 6II's video AF system has gained a boost by introducing Eye-Detection and Animal-Detection AF. These functions let you maintain focus on the eye of your human subject even when they are in motion, as well as, for example, on the eye of a cat playing with bristlegrass or a dog relaxing indoors\*1. Eye-Detection AF, combined with face and upper-body detection technologies, also allows you to keep focusing on a human subject even if they temporarily turn their back. These features are now available not only in auto-area AF but also wide-area AF (L), which makes it easier to grab focus only on your intended subject even in a busy frame. As they are now included in the **i** menu, quick switching is also possible. Together with NIKKOR Z lenses, which are designed for

video shooting as well as still, the Z 6II offers superb AF performance. Lastly, with the camera now capable of saving the last focus position when it is switched off, you can resume your shoot right where you left off\*2.

\*1 If the camera can't detect your subject's eye with Animal-Detection AF or Eye-Detection AF, it focuses on the face.

\*2 When "on" is selected for "save focus position" in the setup menu.

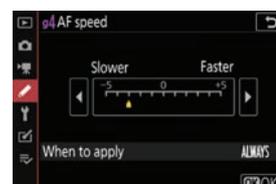


Animal-Detection AF in wide-area AF (L – animal)

### Fully customizable AF control – Adjustable AF speed and tracking sensitivity

Focusing speed and the timing of focus transitions when switching between subjects can make a huge difference in movies. The Z 6II lets you customize the speed\* and tracking sensitivity of AF when filming videos. AF speed is adjustable in 11 steps, between "Slow" (-5) and "Fast" (+5). At lower levels, focus is achieved slowly, making scenes look more cinematic. AF tracking sensitivity can be adjusted in seven steps, from "High" (1) to "Low" (7). Select a higher sensitivity if you want to move the focus quickly to another subject and a lower sensitivity to maintain focus on the current subject for longer.

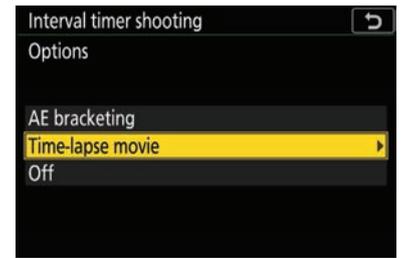
\* When using NIKKOR Z lenses and some NIKKOR F lenses.



## Automatic in-camera time-lapse movie generation – Interval-timer photography

When you want to create a time-lapse movie larger than 4K, interval-timer photography is the way to go and the Z 6II makes it more convenient to do. In addition to a set of stills, the camera can now automatically generate and record a time-lapse movie in 4K UHD or Full HD for quick confirmation of the result on site. In both interval-timer photography and time-lapse movie modes, Nikon's unique exposure smoothing function reduces the subtle exposure variations between frames. When used together with silent photography, it extends the camera's exposure metering capability beyond -4 EV\*, letting creators capture scenes where brightness changes significantly, such as a sky transitioning from sunset to midnight, all in one continuous sequence using aperture-priority auto exposure mode.

\* In still shooting at f/2.0, ISO 100, 20°C/68°F.



## More support for high-end video production – Focus peaking, timecode and highlight display

The Z 6II is well equipped for professional video shoots. The camera can record a timecode\*, helping in combining footage shot by several cameras. In manual focusing, focus peaking is available even in 4K UHD, with selectable peaking highlight color. Highlight display lets you confirm

highlight area with a zebra pattern while allowing you to set the level of brightness from 180 to 255 depending on your needs.

\* Not available when shooting slow-motion movies.



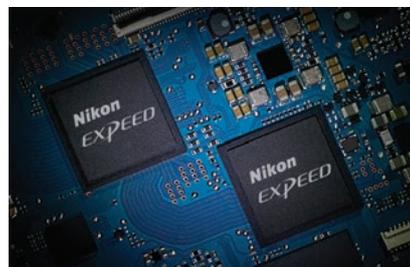


• Lens: NIKKOR Z 24-70mm f/4 S • Exposure: [M] mode, 1/2000 s, f/5 • White balance: Auto 1 • Sensitivity: ISO 1600 • Creative Picture Control: Sombra © Kento Mori



## More chances of nailing the moment – Approx. 14-fps continuous shooting for up to 124 frames

The Z 6II gives you greater ability to nail that important moment thanks to its Dual EXPEED 6 image-processing engines. The maximum continuous shooting speed is now approx. 14 fps\*1 with AE/AF tracking. Thanks to an extended buffer, it also allows you to keep continuous shooting going up to 124 frames\*2 in 12-bit lossless compressed RAW (L) – meaning that 14-fps shooting can be maintained up to 9 seconds.



**Dual EXPEED 6**

\*1 In high-speed continuous shooting (extended), with single-point AF. Approx. 12 fps when using silent photography or AF-C with AF area modes other than single-point AF.

\*2 With Sony CEB-G128 CFexpress card in use.

## Freeze motion in the blink of an eye – 120-fps High-Speed Frame Capture

If you want to discover more in a fast-moving scene, try the Z 6II's High-Speed Frame Capture. This allows you to take 2-megapixel images at up to an incredible 120 fps\*1, or 8-megapixel images at up to 30 fps\*2 with AE/AF tracking by keeping the shutter-release button pressed in movie live view mode. Now you can capture the defining image in a sequence of fleeting moments.

\*1 With Full HD selected for movie image quality.

\*2 With 4K UHD selected for movie image quality.

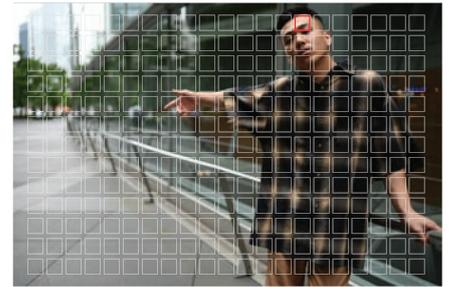


## Improved functions help focus on the intended subject – Advanced hybrid AF system

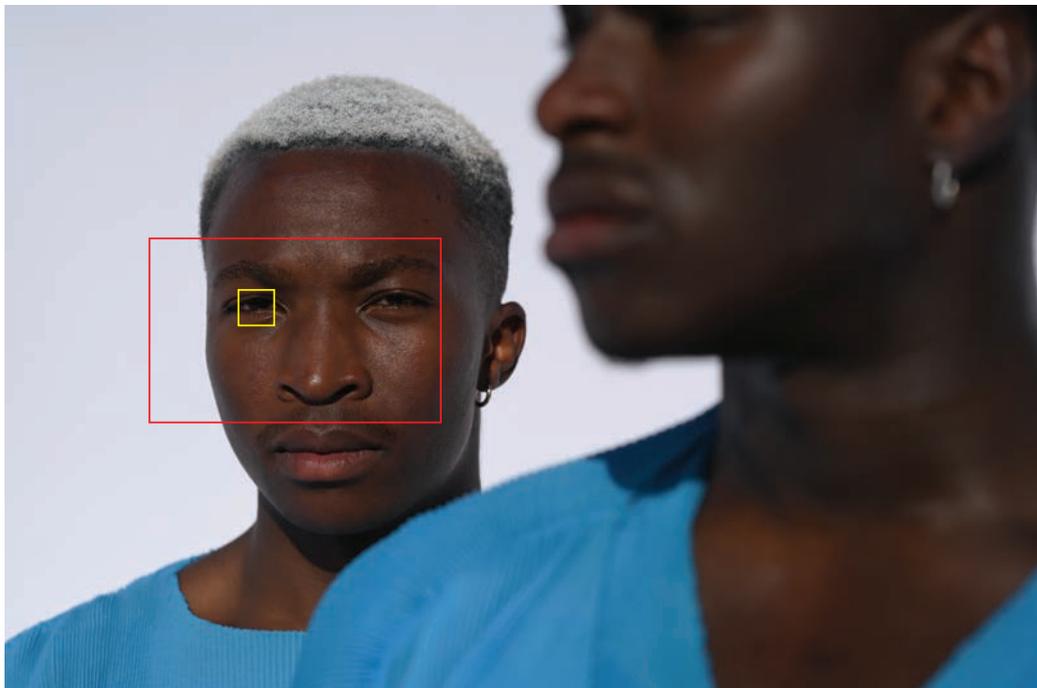
The Z 6II's 273-point hybrid AF system is enhanced to let you focus on the intended subject more easily than the Z 6, even in busy scenes. Eye-Detection AF and Animal-Detection AF are now available in wide-area AF (L) in addition to auto-area AF. What's more, the camera saves the last focus position when it is switched off, allowing you to resume your shoot right where you left off\*1. Just like the Z 6, low-light AF is also available, enabling autofocusing down to -6 EV\*2. Together with NIKKOR Z lenses, that are designed to meet an incredibly strict AF standard, the Z 6II offers superb AF accuracy.

\*1 When "on" is selected for "save focus position" in the setup menu.

\*2 Using AF-S at f/2.0, ISO 100 and 20°C/68°F with the center focus point selected in the single-point AF.



273-point hybrid AF system



Eye-Detection AF in wide-area AF (L – people)

## Increased focusing control – Enhanced Eye- and Animal-Detection AF

Eye-Detection AF is convenient for shooting portraits where the model is constantly changing poses, and Animal-Detection AF is effective whether you're capturing cats playing with bristlegrass or dogs relaxing indoors. With the Z 6II, capturing your intended subject is easier, even in a crowd. In addition to auto-area AF, these functions are now available in wide-area AF (L), allowing easier focusing only on your intended subject within the focus area. As they are now included in the **i** menu, quick switching is also possible. Also, Eye-Detection AF, combined with face-detection and upper-body detection technologies, allows you to keep focusing on a human subject even if they temporarily turn their back.



Animal-Detection AF in wide-area AF (L – animal)



• Lens: NIKKOR Z 50mm f/1.8 S • Exposure: [M] mode, 1/3200 s, f/2 • White balance: Color Temp. (3200K) • Sensitivity: ISO 6400 • Picture Control: Auto © Ronan McKenzie

### Exceptional image quality, even under low light – Backside illumination CMOS sensor featuring ISO 100-51200 and 24.5 effective megapixels

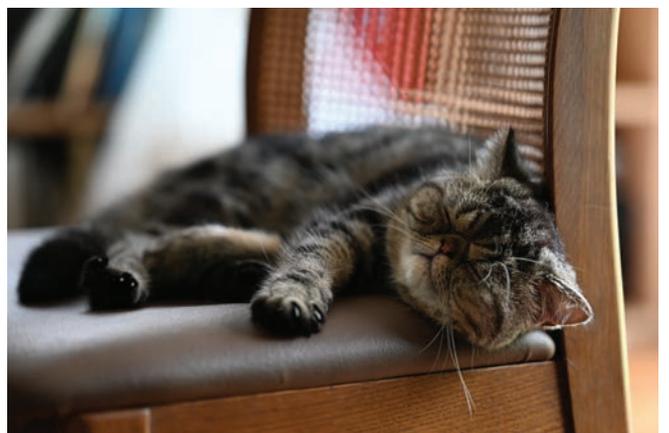
Using its 24.5 megapixels, the Z 6II's images are clear, sharp and beautiful even under low light. The FX-format backside illumination CMOS sensor, together with the EXPEED 6 image-processing engine achieves a wide standard sensitivity range of ISO 100-51200 (expandable to ISO 50-204800 equivalent).



### Nail a shot without disturbing your surroundings – Silent photography

From the life-changing moment of a couple's wedding vows to the sweetness and calm of a sleeping baby's face, there are images that require shooting discretely. The Z 6II's silent photography\* utilizes an electronic shutter and generates no shutter click or camera shake.

\* Aperture, AF and VR drive sound may occur.  
Note: Rolling shutter distortion may occur.





• Lens: NIKKOR Z 24-70mm f/4 S • Exposure: [M] mode, 30 s, f/18 • White balance: Direct sunlight • Sensitivity: ISO 100 • Picture Control: Standard

## More flexible long exposure photography – Shutter speed setting up to 900 s

The Z 6II extends the maximum shutter speed setting from 30 s to 900 s\*. You can now shoot extremely long exposures with a single press of the shutter-release button, without the need to keep it held down or use

accessories such as a wireless remote controller or cable release.

\* In M mode when “on” is selected for “extended shutter speeds (M)” in custom settings.

## More intuitive in-camera editing – Retouch menu

The Z 6II offers more flexible ways for editing images in-camera. The retouch menu lets you trim images easily by pinching in and out to intuitively select the trimming area. The menu also includes the lighten/darken/add image overlay option, which allows you to compose after shooting and achieve more creative images.





The picture was shot in front-curtain sync mode with SB-5000 Speedlight.

- Lens: NIKKOR Z 24-70mm f/4 S
- Exposure: [M] mode, 1/2 s, f/8
- White balance: Auto 1
- Sensitivity: ISO 100
- Picture Control: Auto

© Kento Mori

## Versatile lighting options for bringing drama to your images – Nikon Creative Lighting System

The Z 6II supports the Nikon Creative Lighting System\*, bringing your pictures to life in dramatic ways. In combination with Nikon Speedlights, the system enables a range of advanced, versatile lighting options, including radio-controlled Advanced Wireless Lighting, possible with the SB-5000 and Wireless Remote Controllers.

\* Except AF-assist illumination for multi-point AF.

### Flexible, easy flash control for sophisticated lighting setup, indoors or out – SB-5000 Speedlight with radio-controlled system

Whether working indoors or out, the SB-5000 Speedlight gives you complete mastery over your lighting. It conducts radio communication from distances up to approx. 30 m/98 ft<sup>1</sup> with minimum interference from obstacles or ambient lighting (radio-controlled Advanced Wireless Lighting<sup>2</sup>). This makes lighting possible even in bright situations, as well as letting you render subjects more impressively and flexibly. Despite featuring powerful output at a guide number of 34.5/113 (m/ft, ISO 100)<sup>3</sup>, the SB-5000 can fire consecutively for longer than conventional models thanks to its built-in cooling system. Advanced Wireless Lighting with optically controlled units is also possible.



<sup>1</sup> Approx. range at height of about 1.2 m/3.9 ft; varies according to weather conditions, presence of obstacles and radio communication conditions.

<sup>2</sup> Radio-controlled AWL with the Z 6II and SB-5000 requires WR-R10 or WR-R11b Wireless Remote Controller.

<sup>3</sup> At 35mm zoom head position, in FX format, standard illumination pattern.

### Flexible remote operation options – WR-R11b Wireless Remote Controller (optional)

WR-R11b Wireless Remote Controller brings an array of options to your photography. With the WR-R11b attached to the Z 6II, you can release the shutter wirelessly, triggered by the WR-T10 from a distance up to approx. 50 m/164 ft\*, or release multiple cameras to shoot your subject from various angles. WR-R11b is also required for radio-controlled AWL with the Z 6II and SB-5000.

\* At approx. height of 1.2 m/3.9 ft; may vary depending on weather, presence of obstacles and radio communication conditions.



# Superior reliability for uninterrupted shooting



Z 6II with Anker PowerCore+ 26800 PD 45W

## Dependable data backup for serious users — Dual slots for CFexpress and UHS-II SD memory cards

The Z 6II is equipped with dual card slots which support reliable CFexpress (Type B) cards and UHS-II SD cards — both realize fast data transfer. The card slot for CFexpress (Type B) supports PCI Express (PCIe) Gen3, enabling even speedier data writing than the Z 6. They offer a variety of storage options, including the ability to store the same data onto two cards for instant backup or record RAW and JPEG copies onto separate cards simultaneously. Also compatible with XQD cards.



## Compact yet highly reliable under harsh conditions — Body designed to Nikon's stringent durability standards

The Z 6II comes in a compact, comfortably ergonomic and highly durable body. It offers reliable robustness by incorporating magnesium alloy in the top, front and back covers. It is designed with rigorous care based on impact and drop tests conducted repeatedly throughout the development process. Effective sealing, equivalent to that of the D850 and the Z 6, is applied to joints of each exterior cover and components such as the shutter release button and battery-chamber cover, boasting high dust- and drip-resistance performance. Sealing is also employed in the NIKKOR Z lenses and Mount Adapter FTZ to enhance total reliability as a system.



## Save or boost energy while shooting — Power-saving mode and USB power delivery

Mirrorless cameras have typically consumed a lot of battery power. However, the Z 6II offers improvements to let you keep shooting for longer. A power-saving mode<sup>\*1</sup> is now available for situations where you want to be economical with energy usage. In addition to USB charging when the camera is off, USB power delivery<sup>\*2</sup> during shooting is now possible from a mobile battery<sup>\*3</sup> or computer via the optional UC-E25 USB Cable. This helps in situations such as outdoor time-lapse shooting, letting you continue shooting for a long period of time.

<sup>\*1</sup> This will lower the image quality and frame rate of live view.

<sup>\*2</sup> USB power delivery using optional EH-7P Charging AC Adapter is also possible. When connected with the EH-7P and an EN-EL15c/15b is inserted in the body, only USB charging is possible.

<sup>\*3</sup> Anker PowerCore+ 26800 PD 45W is the recommended portable charger. Use a USB cable with two Type-C connectors supplied with the portable charger. For more information about the portable charger, please visit the manufacturer's website: [Anker.com/support](https://www.anker.com/support).

## Comfortable vertical shooting with approx. 1.9× longer battery life — New MB-N11 Power Battery Pack (optional)

For portrait photographers and wedding hybrid shooters who love vertical shooting, Nikon offers the new MB-N11 Power Battery Pack (optional). In addition to robustness and weather- and dust-sealing equivalent to the Z 6II body, its dedicated shutter-release button and command dial, as well as the ergonomically designed grip, bring more comfort to your vertical shooting. Accepting two EN-EL 15c Rechargeable Li-ion Batteries, it enables 1.9× longer battery life than with the Z 6II body alone. USB power delivery to the MB-N11 is possible. This enables tethered shooting by connecting the body with a computer via USB, even while the MB-N11 is receiving power. Batteries are hot swappable, so you can keep shooting while you change a battery.



# Enhanced features support comfortable shooting



## Thorough edge-to-edge confirmation within the frame – Live view info display off

The Z 6II now lets you turn off the live view info display<sup>\*1</sup>, addressing users' requests. You can assign this function to custom controls<sup>\*2</sup>, and switch on/off with just a click. This allows you to confirm your subject from edge to edge, including the whole composition and the balance, convenient in video shooting as well as stills.

<sup>\*1</sup> Focus point, rec icon during movie recording and total length display are excluded.

<sup>\*2</sup> Assigned to the movie-record button in photo mode default setting.



Live view info display: On



Live view info display: Off

## Much smoother live view operation – High-resolution tilting touch-screen monitor that does not switch to the EVF when tilted

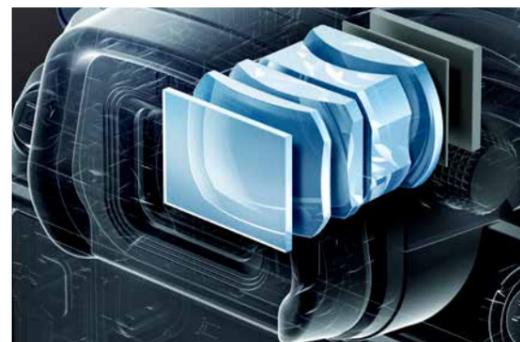
The Z 6II's large 8-cm/3.2-in. approx. 2100k-dot high-resolution tilting touch-screen monitor brings even more convenience to live view operation than the Z 6. When it tilts, the camera will not accidentally trigger the electronic viewfinder. This prevents unintentional operation while holding the camera at the waist position.



## Truly comfortable view – Approx. 3690k-dot Quad VGA electronic viewfinder with display off option

The Z 6II incorporates the same high-quality electronic viewfinder that was so well received with the Z 6. Nikon's superior optical and image-processing technologies ensure a clear and comfortable view with reduced aberration, causing minimum eyestrain, even during extended shoots. Incorporating an organic EL panel, the EVF features approx. 100% frame coverage and approx. 0.8x magnification\*, with approx. 37.0° diagonal viewing angle. A fluorine coat is applied to the eyepiece protection window, reducing flare while repelling dirt.

\* 50mm lens at infinity, -1.0 m<sup>-1</sup>.



## Powerful, 5.0-stop compensation for diverse shooting scenarios – In-camera VR

The Z 6II features in-camera vibration reduction (VR) that offers an effect equivalent to a shutter speed up to approx. 5.0 stops<sup>\*1</sup> faster. It detects camera shake using the image's motion vector information as well as the gyro sensor, and then drives the VR unit to offer compensation in five directions: yaw, pitch, X, Y, and roll. Use the Normal VR mode for reducing camera shake during handheld still shooting, while Sport VR is best utilized to stabilize the image when tracking moving subjects in stills and for video. When recording video handheld without changing the composition, Normal VR can be combined with electronic VR<sup>\*2</sup> for even steadier shots. VR also works with NIKKOR F lenses, including non-VR lenses<sup>\*3</sup>.

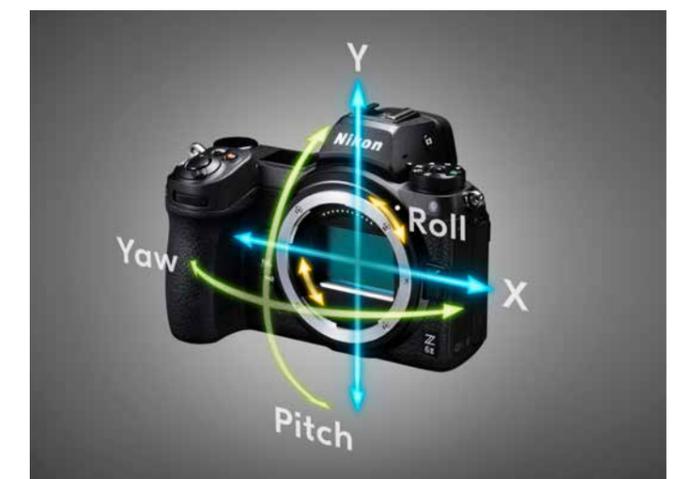
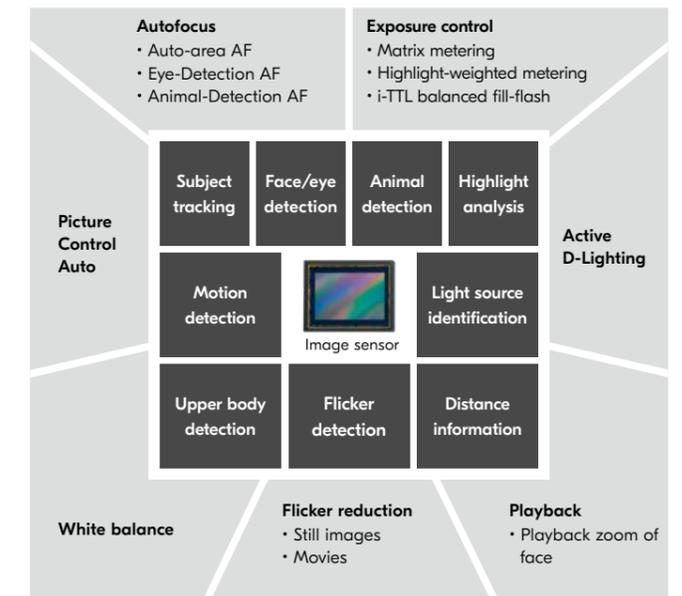
<sup>\*1</sup> Based on CIPA Standards. This value is achieved when the NIKKOR Z 24-70mm f/4 S is attached, with zoom set at the maximum telephoto position. When VR lenses are attached, lenses' own VR effect is applied.

<sup>\*2</sup> Image quality decreases and the angle of view changes when using electronic VR. Not available in 120p, 100p and slow-motion movie modes, or during 4K UHD 10-bit HDMI output.

<sup>\*3</sup> Requires Mount Adapter FTZ. When using NIKKOR F lenses, the VR effect is slightly lower when compared to using NIKKOR Z lenses. Firmware upgrade is required when using Mount Adapter FTZ.

## Enhanced accuracy for optimum results – Advanced Scene Recognition System

The Z 6II incorporates a range of auto controls to attain optimum results, using the Advanced Scene Recognition System. The camera uses the image sensor to recognize various conditions of the scene, then utilizes this information to enhance accuracy in auto exposure, AF, auto white balance and other auto controls. The system also detects the eyes of human subjects, cats and dogs, providing excellent Eye-Detection and Animal-Detection AF.



# Beautiful pictures prepared in-camera, ready for sharing



Portrait



Denim



Graphite



Toy



Red

## An instant creative look — Picture Controls and Creative Picture Controls

Nikon's Picture Control System offers 8 conventional options and 20 Creative Picture Controls for a more fun look, which are available in all exposure modes as well as video recording. It is also possible to create custom Picture Controls by altering each preset's parameters — such as sharpening and contrast — all in-camera or using Picture Control Utility 2 software.

## Fine tuning made simple to achieve your style — Quick sharp and three adjustment parameters

The Z 6II allows you to select Picture Controls depending on the finished look you want, but sometimes you prefer a slightly softer expression than Standard or want a sharper depiction than Portrait. "Quick sharp" lets you adjust the sharpness and softness of stills and videos easily. Fine tuning each of three parameters — sharpening, clarity and mid-range sharpening\* — is also possible when you want to pursue your preferred look according to the subject's subtle textures and your selected output size.

\* Adjustable in still shooting and high image quality mode for video recording.



## Easy firmware upgrade via smart devices — SnapBridge ver.2.7



Nikon's SnapBridge ver. 2.7<sup>\*1</sup> makes it possible to upgrade your camera's firmware. It informs you of new firmware, lets you receive it via smart devices and transfer it to your camera<sup>\*2</sup> right away via Wi-Fi<sup>®</sup>. You no longer need a computer and a card reader for this process. SnapBridge also lets you transfer RAW images and video files to your smart devices, while offering various convenient remote control operations for stills and videos.

\*1 Compatible with iPhone<sup>®</sup>, iPad<sup>®</sup>, iPod touch<sup>®</sup> or smart devices running on the Android<sup>™</sup> operating system. Available free from Apple App Store<sup>®</sup> and Google Play<sup>™</sup>. Please check Nikon's website for further information.

\*2 When transferring firmware to the Z 6II, the camera must be turned on with a memory card, and a battery with sufficient remaining life needs to be inserted. Once transferred, upgrade operation must be performed from the menu.



## Firmware update via SnapBridge



## Direct connection to computer — Built-in Wi-Fi

The Z 6II's built-in Wi-Fi lets you transfer large images and videos<sup>\*1</sup> to a computer<sup>\*2</sup> at up to approx. 433 Mbps<sup>\*3</sup>. The camera ensures reliable transmission by using the 5 GHz band<sup>\*4</sup> to connect to your computer or a nearby router, in addition to the 2.4 GHz band, which can be unstable due to radio interference from other electronic devices.

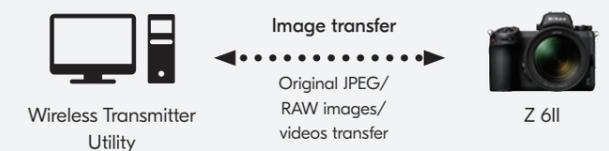
\*1 Available in image transfer mode.

\*2 Wireless Transmitter Utility must be installed on the computer (available for download from Nikon website).

\*3 Maximum logical data rates according to IEEE standard. Actual rate may differ.

\*4 May not be available in certain countries.

## PC connection via built-in Wi-Fi



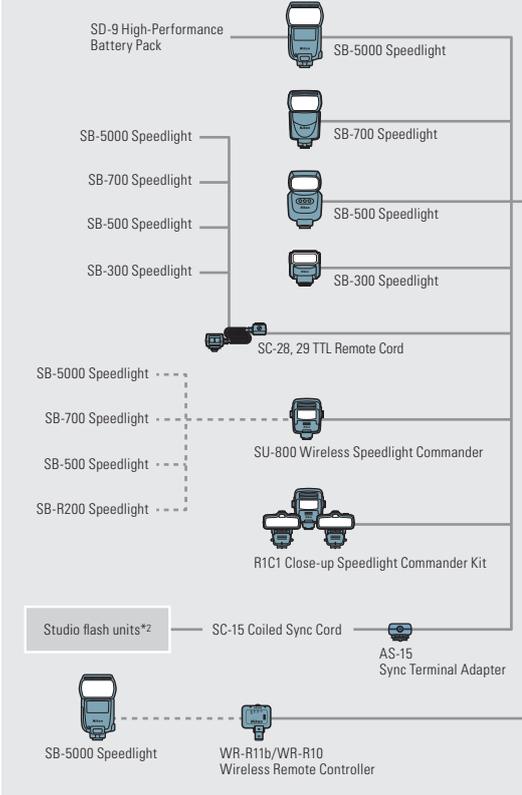
## NOMENCLATURE



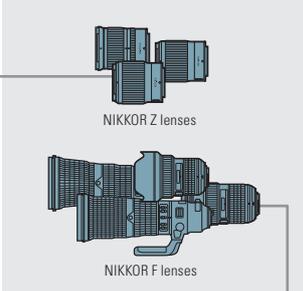
- |  |   |   |
|--|---|---|
| 1 Shutter-release button   | 19 AF-ON button   | 37 ISO button                               |
| 2 Power switch   | 20 Memory card slot cover                                   | 38 Exposure compensation button             |
| 3 Lens mount   | 21 Sub-selector   | 39 Main command dial                        |
| 4 Image sensor   | 22 <i>i</i> button  | 40 Focal plane mark                         |
| 5 Lens mounting mark   | 23 Memory card access lamp                                  | 41 Speaker                                  |
| 6 AF-assist illuminator/<br>Red-eye reduction lamp/Self-timer lamp | 24 Multi selector   | 42 Accessory shoe (for optional flash unit) |
| 7 Lens release button  | 25 OK button  | 43 Battery-chamber cover latch              |
| 8 Fn2 button   | 26 Menu button  | 44 Battery-chamber cover                    |
| 9 Fn1 button   | 27 Release mode button/Self-timer button                    | 45 Power connector cover                    |
| 10 Sub-command dial  | 28 Playback zoom out button/Thumbnail<br>button/Help button | 46 Tripod socket                            |
| 11 Playback button   | 29 Playback zoom in button                                  | 47 Monitor mode button                      |
| 12 Delete button   | 30 Monitor  | 48 Charge lamp                              |
| 13 Viewfinder  | 31 Eyelet for camera strap                                  | 49 Headphone connector                      |
| 14 Eye sensor  | 32 Mode dial  | 50 USB connector                            |
| 15 Rubber eyecup   | 33 Mode dial lock release                                   | 51 HDMI connector                           |
| 16 Diopter adjustment control                                      | 34 Stereo microphone  | 52 Connector for external microphone        |
| 17 Display button  | 35 Control panel  | 53 Accessory terminal                       |
| 18 Photo/movie selector  | 36 Movie-record button                                      |   |

# SYSTEM CHART

## SPEEDLIGHTS



## NIKOR LENSES



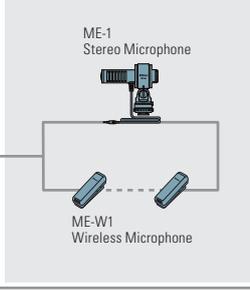
## MOUNT ADAPTER



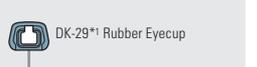
## SMART DEVICE APPLICATION



## MICROPHONES



## VIEWFINDER ACCESSORY



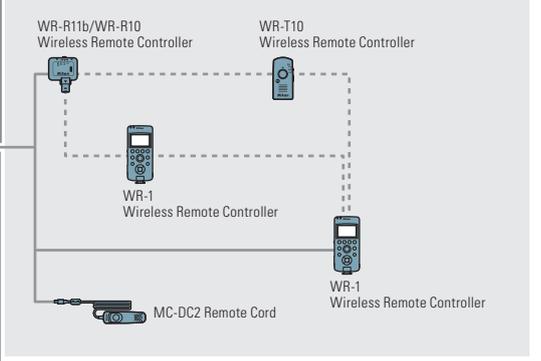
## CASE



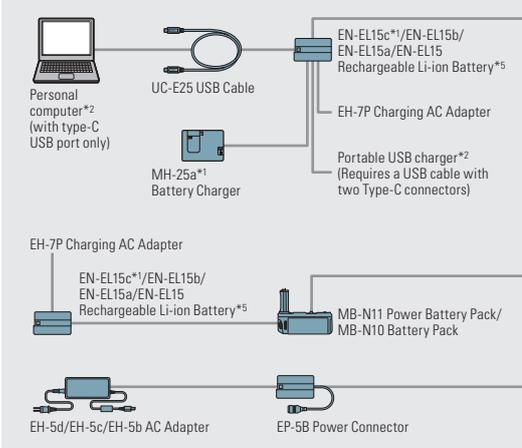
## HEADPHONE



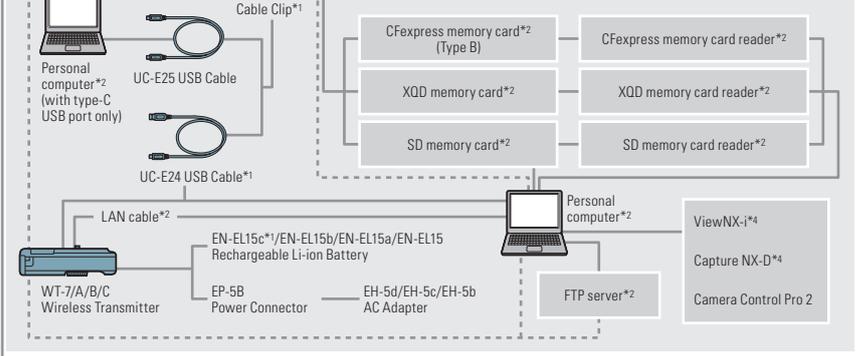
## REMOTE CONTROL ACCESSORIES



## AC ADAPTERS, BATTERIES AND CHARGERS



## COMPUTER-RELATED ACCESSORIES



## TV AND VIDEO ACCESSORIES



\*1 Supplied accessories \*2 Non-Nikon products \*3 Can be downloaded from the application store of each smart device (free). \*4 Can be downloaded from Nikon website (free). \*5 Only EN-EL15c/EN-EL15b batteries support USB power delivery.

## SPECIFICATIONS

<b>Type of camera</b>	Digital camera with support for interchangeable lenses
<b>Lens mount</b>	Nikon Z mount
<b>Compatible lenses</b>	• Z mount NIKKOR lenses • F mount NIKKOR lenses (mount adapter required; restrictions may apply)
<b>Effective pixels</b>	24.5 million
<b>Image sensor</b>	35.9 × 23.9 mm CMOS sensor (Nikon FX format)
<b>Total pixels</b>	25.28 million
<b>File format</b>	• NEF (RAW): 12 or 14 bit (lossless compressed, compressed, or uncompressed) • JPEG: JPEG-Baseline compliant with fine (approx. 1:4), normal (approx. 1:8), or basic (approx. 1:16) compression; size-priority and optimal-quality compression available • NEF (RAW)+JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats
<b>Picture Control System</b>	Auto, Standard, Neutral, Vivid, Monochrome, Portrait, Landscape, Flat, 20 Creative Picture Controls; selected Picture Control can be modified; storage for custom Picture Controls
<b>Storage media</b>	CFexpress (Type B), XQD, SD (Secure Digital), and UHS-II compliant SDHC and SDXC memory cards
<b>Dual card slots</b>	Either card can be used for primary or backup storage or for separate storage of NEF (RAW) and JPEG images; pictures can be copied between cards.
<b>Viewfinder</b>	1.27-cm/0.5-in. approx. 3690k-dot (Quad VGA) OLED electronic viewfinder with color balance and auto and 11-level manual brightness controls
<b>Viewfinder frame coverage</b>	Approx. 100% horizontal and 100% vertical
<b>Viewfinder magnification</b>	Approx. 0.8× (50 mm lens at infinity, -1.0 m <sup>-1</sup> )
<b>Monitor</b>	8-cm/3.2-in., approx. 2100k-dot tilting TFT touch-sensitive LCD with 170° viewing angle, approx. 100% frame coverage, and color balance and 11-level manual brightness controls
<b>Shutter type</b>	Electronically-controlled vertical-travel focal-plane mechanical shutter; electronic front-curtain shutter; electronic shutter
<b>Shutter speed</b>	1/8000 to 30 s in steps of 1/3 and 1/2 EV, extendable to 900 s in mode <b>M</b> , bulb, time, X200
<b>Release modes</b>	Single frame, continuous L, continuous H, continuous H (extended), self-timer
<b>Approximate frame advance rate (measured by in-house tests)</b>	• Continuous L: Approx. 1 to 5 fps • Continuous H: Approx. 5.5 fps • Continuous H (extended): Approx. 14 fps (14-bit NEF/RAW: Approx. 10 fps)
<b>Exposure metering system</b>	TTL metering using camera image sensor
<b>Exposure metering modes</b>	• Matrix metering • Center-weighted metering: Weight of 75% given to 12 mm circle in center of frame; weighting can instead be based on average of entire frame • Spot metering: Meters 4 mm circle (about 1.5% of frame) centered on selected focus point • Highlight-weighted metering
<b>Metering range (ISO 100, f/2.0, 20°C/68°F)</b>	-4 to +17 EV
<b>ISO sensitivity (Recommended Exposure Index)</b>	ISO 100 to 51200 in steps of 1/3 or 1/2 EV; can also be set to approx. 0.3, 0.5, 0.7 or 1 EV (ISO 50 equivalent) below ISO 100 or to approx. 0.3, 0.5, 0.7, 1 or 2 EV (ISO 204800 equivalent) above ISO 51200; auto ISO sensitivity control available
<b>Active D-Lighting</b>	Can be selected from auto, extra high, high, normal, low or off (available in both photo and movie modes)
<b>Autofocus</b>	Hybrid phase-detection/contrast AF with AF assist
<b>AF detection range (in photo mode, AF-S, ISO 100, f/2.0, 20°C/68°F)</b>	-4.5 to +19 EV (-6 to +19 EV with low-light AF)
<b>Focus points (in photo mode, FX format, single-point AF)</b>	273 points
<b>AF-area modes</b>	Pinpoint AF, single-point and dynamic-area AF (pinpoint and dynamic-area AF available in photo mode only); wide-area AF (S); wide-area AF (L); wide-area AF (L-people); wide-area AF (L-animals); auto-area AF; auto-area AF (people); auto-area AF (animals)
<b>Camera on-board VR</b>	5-axis image sensor shift
<b>Lens on-board VR</b>	Lens shift (available with VR lenses)
<b>Flash control</b>	TTL; i-TTL flash control; i-TTL balanced fill-flash is used with matrix, center-weighted, and highlight-weighted metering, standard i-TTL fill-flash with spot metering
<b>Flash modes</b>	Front-curtain sync, slow sync, rear-curtain sync, red-eye reduction, red-eye reduction with slow sync, off

<b>Nikon Creative Lighting System (CLS)</b>	i-TTL flash control, radio-controlled Advanced Wireless Lighting, optical Advanced Wireless Lighting, modeling illumination, FV lock, color information communication, auto FP high-speed sync, unified flash control
<b>White balance</b>	Auto (3 types), natural light auto, direct sunlight, cloudy, shade, incandescent, fluorescent (7 types), flash, choose color temperature (2500 K to 10000 K), preset manual (up to 6 values can be stored), all with fine-tuning except choose color temperature
<b>Bracketing types</b>	Exposure, flash, white balance and ADL
<b>Movie metering modes</b>	Matrix, center-weighted or highlight-weighted
<b>Frame size (pixels) and frame rate</b>	• 3840 × 2160 (4K UHD); 30p (progressive), 25p, 24p • 1920 × 1080; 120p, 100p, 60p, 50p, 30p, 25p, 24p • 1920 × 1080 (slow-mo); 30p ×4, 25p ×4, 24p ×5 Actual frame rates for 120p, 100p, 60p, 50p, 30p, 25p, and 24p are 119.88, 100, 59.94, 50, 29.97, 25, and 23.976 fps respectively
<b>File format</b>	MOV, MP4
<b>Video compression</b>	H.264/MPEG-4 Advanced Video Coding
<b>Audio recording format</b>	Linear PCM, AAC
<b>Audio recording device</b>	Built-in stereo or external microphone with attenuator option; sensitivity adjustable
<b>Movie ISO sensitivity (Recommended Exposure Index)</b>	• <b>M</b> : Manual selection (ISO 100 to 51200 in steps of 1/3 or 1/2 EV); with additional options available equivalent to approx. 0.3, 0.5, 0.7, 1, or 2 EV (ISO 204800 equivalent) above ISO 51200; auto ISO sensitivity control (ISO 100 to Hi 2.0) available with selectable upper limit • <b>P, S, A</b> : Auto ISO sensitivity control (ISO 100 to Hi 2.0) with selectable upper limit • <b>☒</b> : Auto ISO sensitivity control (ISO 100 to 51200)
<b>Other movie options</b>	Time-lapse movie recording, electronic vibration reduction, time codes, logarithmic (N-Log) and HDR (HLG) movie output
<b>USB</b>	Type C USB connector (SuperSpeed USB); connection to built-in USB port is recommended
<b>HDMI output</b>	Type C HDMI connector
<b>Accessory terminal</b>	Built-in (can be used with MC-DC2 Remote Cords and other optional accessories)
<b>Audio input</b>	Stereo mini-pin jack (3.5-mm diameter; plug-in power supported)
<b>Audio output</b>	Stereo mini-pin jack (3.5-mm diameter)
<b>Wi-Fi</b>	Available
<b>Bluetooth</b>	Available
<b>Battery</b>	One EN-EL15c Rechargeable Li-ion Battery; EN-EL15b/EN-EL15a/EN-EL15 can also be used, but note that fewer pictures can be taken on a single charge and that the EH-7P charging AC adapter can be used to charge EN-EL15c/EN-EL15b batteries only
<b>Battery pack</b>	MB-N11 Power Battery Pack and MB-N10 Battery Pack (available separately); each takes two EN-EL15c batteries; EN-EL15b/EN-EL15a/EN-EL15 batteries can be used in place of the EN-EL15c. The number of pictures that can be taken on a single charge (i.e., battery endurance) will however drop compared to the EN-EL15c
<b>Charging AC adapter</b>	EH-7P charging AC adapter (available separately)
<b>AC adapter</b>	EH-5d/EH-5c/EH-5b AC adapter (requires EP-5B power connector, which is available separately)
<b>Other features</b>	Multiple exposure, silent photography, interval timer shooting, focus shift shooting, HDR, SnapBridge compatibility and High-Speed Frame Capture, retouch menu
<b>Dimensions (W × H × D)</b>	Approx. 134 × 100.5 × 69.5 mm/5.3 × 4.0 × 2.8 in.
<b>Weight</b>	Approx. 705 g/1 lb 8.9 oz with battery and memory card but without body cap; approx. 615 g/1 lb 5.7 oz (camera body only)
<b>Operating environment</b>	Temperature: 0 to 40°C/32 to 104°F; humidity: 85% or less (no condensation)
<b>Supplied accessories (may differ by country or area)</b>	EN-EL15c Rechargeable Li-ion Battery, MH-25a Battery Charger, DK-29 Rubber Eyecup, UC-E24 USB Cable, HDMI/USB Cable Clip, AN-DC19 Strap, BF-N1 Body Cap, BS-1 Accessory Shoe Cover

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