



Z 9



UNSTOPPABLE



Imagine being able to see the unseen:  
Moments that have always existed  
But have been just out of reach.  
Imagine knowing that when the time comes,  
You'll be ready.

With the absolute confidence of never missing a single detail,  
In scenes of constant motion,  
In ice cold or searing heat,  
To bring these untold moments to light.

Now the time has come.  
With the arrival of a true next level flagship mirrorless camera:  
Fast, powerful, dependable — in an incredible range of scenarios.  
Experience ultimate professional image-making like never before.  
Whatever the challenge, whatever your goal,  
Nothing stands in your way.  
Nikon Z 9: Unstoppable



**DECISIVE MOMENTS. EXTREME CONDITIONS.  
STILL OR VIDEO, CAPTURED WITH CONFIDENCE.**



**Powerful AF**  
that can detect 9 different subject types



Never miss a movement with smooth  
**Real-Live Viewfinder**



**Over 2 hours of 10-bit  
8K UHD/30p in-camera recording**



Dependable, ergonomic **4-axis vertical/  
horizontal tilting monitor**





Lens: NIKKOR Z 14-24mm f/2.8 S • Exposure: [M] mode, 1/3200 second, f/5.6 • White balance: Natural light auto • Sensitivity: ISO 1600 • Picture Control: Auto © KENJIRO MATSUO

## *The accuracy and tracking of autofocus are next level*

“The Z 9’s subject detection is on a whole new level. It allows me to shoot in compositions that have been very difficult or simply impossible. Whether my subject is small in the far distance or very large and up-close, whether it moves fast or stops suddenly, I get sharp focus. Because I can trust the camera to follow my moving subjects with such amazing accuracy, I feel I’m just a click away from the image just the way I want it.”



Sports photographer, Aflo Sport

KENJIRO MATSUO





# Tenacious AF that confidently nails critical moments in action



## Detecting world’s largest\*<sup>1</sup> range of 9 different subject types — for stills and videos

In order to achieve reliable AF for a variety of subjects, the Z 9 employs an advanced algorithm developed using deep-learning technology and detects the world’s largest range of 9 subject types\*<sup>2</sup>. With human subjects, the camera can detect and focus on a person’s eye even if it is small in the frame, which helps when cropping the image. It can even focus on the eye through goggles or sunglasses, or if upside down. In a dynamic situation such as where a gymnast performs a somersault during a floor exercise and the AF loses the face, detection will automatically shift to the head or upper body, maintaining focus on the subject. For wildlife photographers and photo enthusiasts, it also detects birds, motorcycles, bicycles, cars and airplanes, as well as cats and dogs, allowing you to leave focusing to the camera while you concentrate on your image composition.

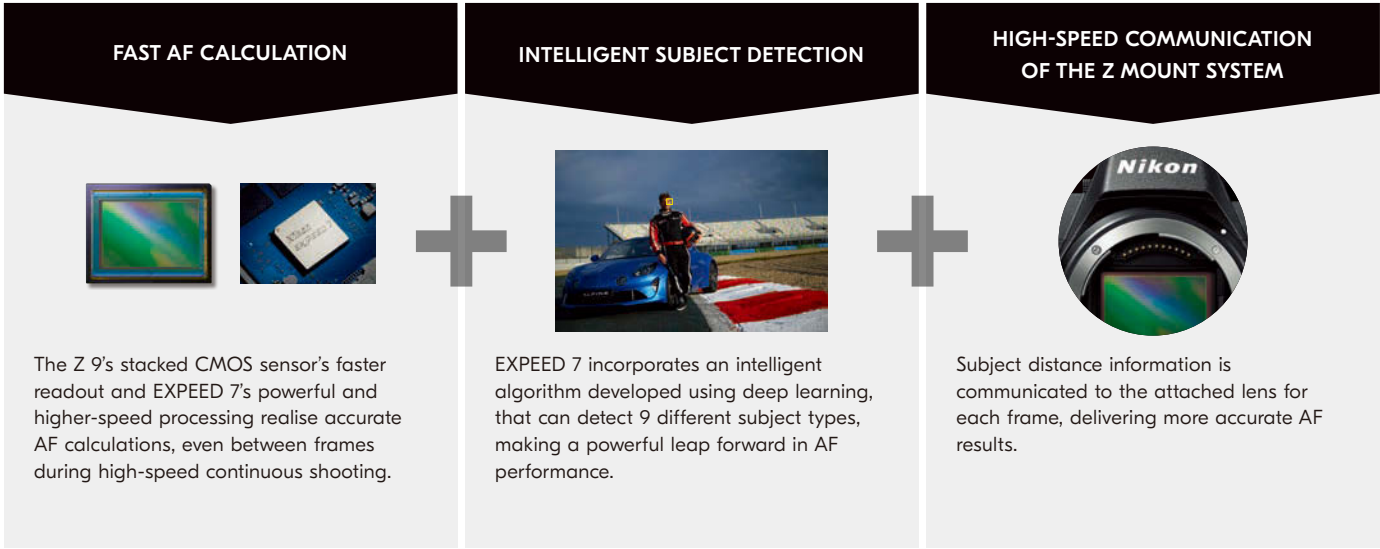
\*<sup>1</sup> As of October 28, 2021, among mirrorless cameras, based on Nikon research.  
 \*<sup>2</sup> Subject detection works in wide-area AF (S) and (L), auto-area AF, 3D-tracking and subject-tracking AF modes. Animal detection also works for animals similar to dogs, cats and birds, for example, a cheetah, that resembles a cat.

## The world’s largest range of 9 subject detection types

<b>People</b> Face, eye, head and upper body	<b>Dogs</b>	<b>Cats</b>	<b>Birds</b>	<b>Cars</b>	<b>Motorbikes</b>	<b>Bicycles</b>	<b>Trains</b>	<b>Airplanes</b> Whole body, front and cockpit
Head, eye, and whole body								

## Technologies for advanced AF, meeting professionals’ demanding needs

The Z 9’s powerful AF is the result of three technologies: an unprecedented AF calculation speed of 120 cycles per second, intelligent subject detection developed using deep learning, and rapid, constant communication of AF information between the lens and camera body via the Z mount. These technologies combine to perform a higher level of AF tracking performance for erratically moving subjects, even during high-speed continuous shooting. The AF algorithm is also tuned to nail moving subjects with confidence in low-light situations. Furthermore, the Z 9’s AF being controlled independently from live-view exposure enables powerful AF even in backlit situations.



## Persistent tracking lets you focus on the best moments — 3D-tracking

3D-tracking has long been praised for its tracking performance with Nikon D-SLRs, and the Z 9 brings this feature to the Z series for the first time. Coupled with subject detection developed using deep learning, it continues tracking a subject such as a racing car that approaches close and then moves away quickly, or a swiftly moving athlete.



© KENJIRO MATSUO

## Maintain focus on a subject exactly where you want — Dynamic-area AF

Many professional sports photographers decide exactly where in the frame they want to achieve focus before going into a scene and maintain it on a subject with dynamic-area AF. Taking advantage of the vast AF coverage, the Z 9 brings new advances by offering three dynamic-area AF modes: (S) with a focusing area equivalent to that of the D6, (M) with an area as big as that of the Z 7II, and (L) with an even larger focusing area. Effective use of these depending on the situation helps nail decisive moments in scenes such as soccer and basketball.



© JEFF PACHOUD





Photojournalist, AFP  
**JEFF PACHOUD**



### *The Real-Live Viewfinder is a revolution*

“The Z 9 has solved the biggest paradox of photography. The only picture you don’t see is the one you shoot — until now. The Real-Live Viewfinder is a revolution, because it lets me keep contact with the subject’s action at all times and allows me to see in a natural way, which is so important.”



### *The 8K UHD video is so high quality it’s a big game changer for my work*

““When I saw the 8K UHD footage from the Nikon Z 9 for the first time, I was actually blown away. We zoomed in 100% and the sharpness was unbelievable. If I pull out stills from the footage to use as prints, they can easily satisfy my fashion and luxury beauty clients who always look for the highest quality.”



Fashion and beauty photographer/filmmaker  
**CHRISTIAN AMMANN**





# See every decisive moment smoothly

## Connect with every moment in motion — Real-Live Viewfinder

In the world of sports photography, decisive moments are often hidden within the tiniest fraction of a second. To capture these moments, photographers follow each movement through the viewfinder with continuous shooting, but there has always been a split-second image that they couldn't see — whether with mirrorless or D-SLR cameras. The Z 9 is the first camera<sup>\*1</sup> with a viewfinder which reveals every single moment<sup>\*2</sup> — including those previously blocked by conventional electronic viewfinder systems and loss of view caused by the mirror-up of D-SLRs. This enables you to smoothly confirm every single movement of athletes and find the very best moments.

<sup>\*1</sup> As of October 28, 2021, among digital cameras, based on Nikon research.  
<sup>\*2</sup> Smoothness of the viewfinder image will differ depending on settings such as shutter speed, etc.

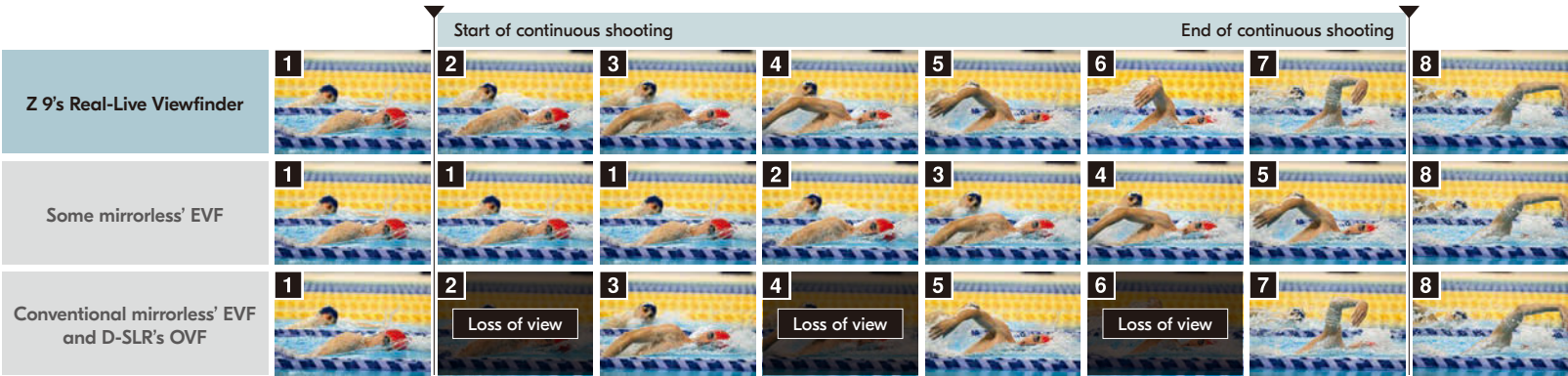


The combination of the Real-Live Viewfinder and dynamic-area AF lets you confirm the best movement and capture the subject in sharp focus, even in a scene like freestyle swimming where the face is undetectable.

© KENJIRO MATSUO

## Real-Live Viewfinder mechanism

Nikon's dual-stream technology, enabled by the new stacked CMOS sensor and EXPEED 7 engine, separately processes live-view images (including EVF view) and still images to be recorded. This dedicated live-view image processing realises the Real-Live Viewfinder, delivering a smooth view that reveals every single moment.



## New stacked CMOS sensor achieves world's most minimal<sup>\*1</sup> rolling-shutter distortion

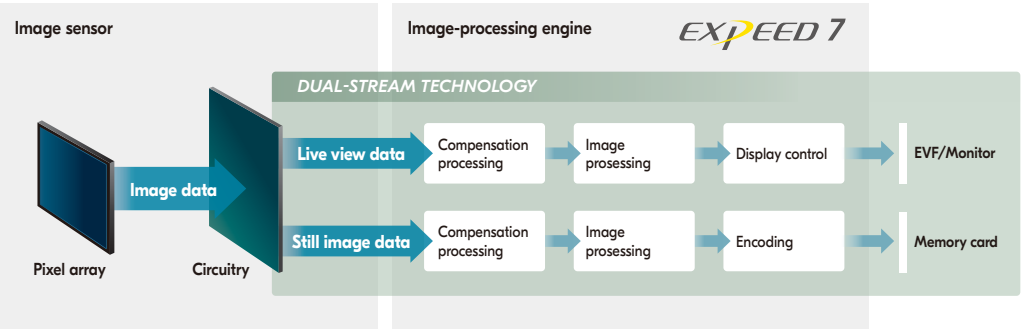
The Z 9 incorporates Nikon's unique stacked CMOS sensor featuring 45.7 effective megapixels, which enables approx. 12× faster readout compared to the Z 7II. The world's fastest<sup>\*1</sup> scanning speed makes it possible to minimise rolling-shutter distortion. It realises a design without need for a mechanical shutter, enabling silent<sup>\*2</sup> release at any time and for a vast number of shots without worrying about shutter wear.

<sup>\*1</sup> As of October 28, 2021, among mirrorless cameras incorporating an image sensor with 30 megapixels or larger, based on Nikon research.

<sup>\*2</sup> A simulated shutter sound and release timing indicator can be set as necessary.

## Powerful EXPEED 7 for high-speed, peak performance

The core of a mirrorless camera's performance is its image processing engine. The new EXPEED 7 image-processing engine is Nikon's most powerful yet, taking full advantage of the stacked CMOS sensor's potential and approx. 10× faster processing speed compared to the Z 7II to raise performance to a whole new level across the board. What is unique about this engine is that by processing dual-streamed data from the image sensor separately, it realises the Real-Live Viewfinder, while also achieving high-performance AF, 8K in-camera video recording, 4K/120p and more advanced features.



## Superb view under harsh light — the world's brightest\* Quad-VGA panel supporting 3000 cd/m²

Photographers need to shoot even in very bright conditions and sometimes face difficulties in confirming the subject through electronic viewfinders. That's why the Z 9 incorporates a new Quad-VGA panel, in which brightness can be manually raised up to 3000cd/m2. This allows you to see your subjects through the viewfinder more clearly, even if you are shooting on a beach in summer or snowfield in winter. What's more, the Z 9's EVF offers a smaller display size option for those wearing glasses to be able to view the whole frame.

<sup>\*</sup> As of October 28, 2021, among mirrorless cameras, based on Nikon research.



Z 9's EVF image



Competitor's EVF image



## Dramatic expression beyond past limitations



### High-Speed Frame Capture+\* at up to 120 fps — revealing moments that last for less than 1/100 second

When you want to capture the exact moment such as a high diver's fingertips hitting the water or a tennis ball momentarily deformed by the impact of the racket, the Z 9 offers new High-Speed Frame Capture+ with AF/AE tracking. Rotating the release mode selection and selecting C120, you can take approx. 11-megapixel still images at 120 fps. This helps press coverage by revealing amazing, previously invisible moments that would otherwise be lost between the frames. With C30, you can shoot approx. 45-megapixel images at 30 fps.

\* JPEG normal image quality only. The number of frames that can be shot is less than that of high-speed continuous shooting. Use of a recommended card is advised.



© KENJIRO MATSUO

*The Z 9's high-speed continuous shooting compatible with all NIKKOR Z and 94 NIKKOR F lenses vastly expands the creative possibilities.*



© JEFF PACHOUD



© KENJIRO MATSUO



© KENTA AMINAKA

### Capture long sequences from start to finish — high-speed continuous shooting at 20 fps for more than 1000 frames\*

To capture the decisive moment, sometimes you need the whole story. Thanks to CFexpress Type B's fast writing speed, the Z 9 allows you to keep shooting more than 1000 frames at approx. 20 fps in JPEG (L) fine and High Efficiency RAW. With remarkable AF performance, you can continue shooting figure skaters or rhythmic gymnasts from beginning to end.

\* When using ProGrade Digital COBALT 1700R 325GB cards. Up to approx. 3 seconds of 20-fps high-speed continuous shooting is possible in RAW + JPEG or JPEG + JPEG.

### Silent mode, ready for a variety of situations

Featuring a body design eliminating the need for a mechanical shutter, the Z 9 lets you release the shutter without a click sound\*. For occasions when you wish to be even quieter, the silent mode also turns off the VR lock as well as menu operation sounds, while minimising lens drive noise. This is invaluable when shooting golf and tennis, or capturing still images on a film set while cameras are rolling.

\* A simulated shutter sound and release timing indicator can be set as necessary.

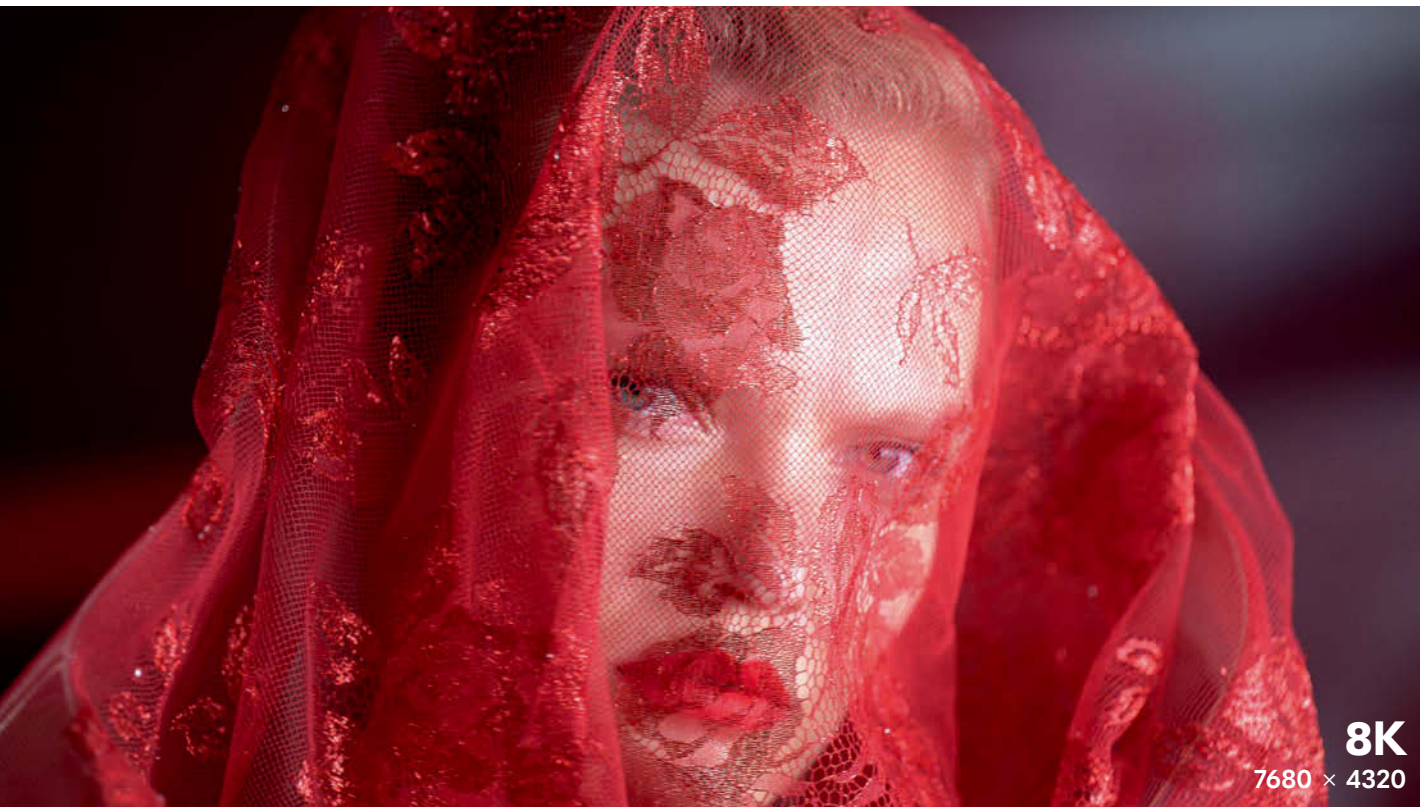
### 1/32000 sec. shutter speed and fast NIKKOR Z lenses maximise your creative expression

One of NIKKOR Z's most attractive points for image-makers is its beautiful bokeh without aberration even with the aperture wide open. The Z 9 opens up the usage still further for commercial and fashion photographers. Combined with its ISO 64 capability and 1/32000 sec. shutter speed, it allows use of the maximum aperture of fast NIKKOR Z lenses such as the NIKKOR Z 50mm f/1.2 S and f/1.8 S prime lens series even in bright locations like the beach or snowscapes. Now you can explore exciting new realms of expression.





## Excellent video quality & performance for practical applications



**8K**  
7680 × 4320



**8K**  
UHD

### The most practical\*<sup>1</sup> 8K UHD/30p — the world's longest\*<sup>1</sup>, at over 2 hours of in-camera recording to help you capture the decisive moment

The growing demand for 8K video is making it essential for professional shoots with mirrorless cameras. The Z 9 was developed to meet such needs by providing truly practical 8K video recording. It efficiently dissipates heat, letting you continue recording 8K UHD/30p video\*<sup>2</sup> in-camera for as long as 125 minutes\*<sup>3</sup>. With the astonishing resolving power of NIKKOR Z S-Line lenses and full pixel readout, 8K UHD/30p video reveals amazingly sharp detail from edge to edge. Now, you can record H.265 (HEVC) 10-bit and 8-bit, and select the colour gamma from SDR, N-Log and HLG\*<sup>4</sup> according to your needs. For users like photojournalists who need to send their footage right away, Picture Control Auto optimised for video provides an instant natural look and colours. The camera detects 9 kinds of subject even with video AF. Select the “auto” subject detection option to have the camera automatically detect any of these subjects without changing settings — convenient when you need to suddenly switch subjects. Not only that, but the algorithm for AF speed [-5] and [+5] settings has also been improved to address filmmakers' needs. It now lets you track a variety of subjects ranging from those moving extremely slowly to rapid action. What's more, “AF drive for when subject is not detected” can be set to “off,” enabling you to maintain the focus position in scenes where the subject is temporarily obscured.

\*<sup>1</sup> As of October 28, 2021, among mirrorless cameras, based on Nikon research.

\*<sup>2</sup> In FX-based video format only.

\*<sup>3</sup> At a temperature of 23°C/73.4°F. With an EN-EL18d Rechargeable Li-ion Battery in use. When video recording starts immediately after powering on. CFexpress Type B cards with fast writing speed are recommended for video recording.

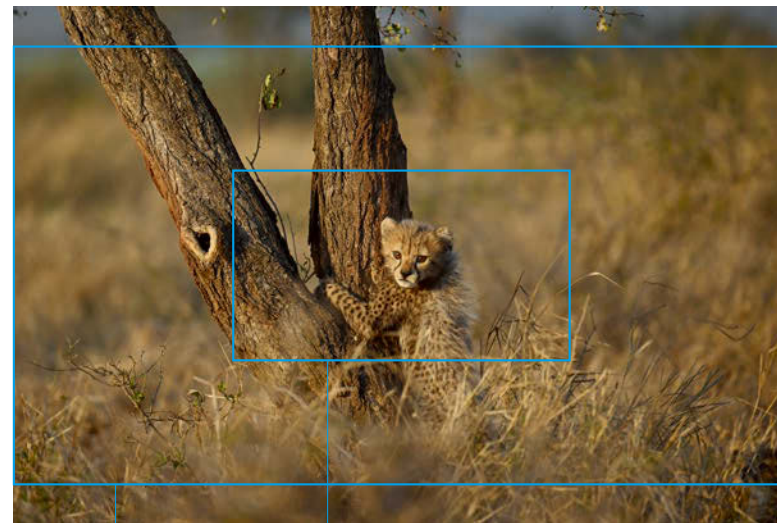
\*<sup>4</sup> Can be selected when the video file type is set to H.265 10 bit.

**4K**  
UHD

### Full-frame 4K UHD/120p for dramatic slow motion

In-camera video recording for the maximum 125 minutes is also possible with 4K UHD/120p. You can create dramatic slow motion in full frame without any crop.

A 2.3× crop format is also available in 120p, which allows you to come closer to your subject without changing lenses. Furthermore, in-camera recording is possible in H.265 10-bit and 8-bit at any frame rate, allowing you to choose the format best suited for your postproduction needs.



FX-based video format

**2.3×**  
angle of view

### Electronic VR expands handheld shooting opportunities

For video recording, the Z 9 features a leap forward in electronic VR\*<sup>1</sup>, available in addition to in-camera VR and Synchro VR. Thanks to EXPEED 7, image blur caused by camera shake in handheld shooting is more powerfully compensated\*<sup>2</sup> than before, facilitating recording while walking. It can also correct the trapezoid distortion\*<sup>2</sup> common with wide-angle lenses.

\*<sup>1</sup> With electronic VR, the angle of view becomes equivalent to 1.25× the focal length of the lens in use. Not compatible with 120p/100p and 8K UHD.

\*<sup>2</sup> Available when paired with NIKKOR Z lenses.



### Seamless video shooting workflow with enhanced operability

The Z 9 offers various functions to help filmmakers' workflow progress smoothly and without error. Tack-sharp focus is critical in 8K and 4K video. For the first time in the world\*<sup>1</sup> the Z 9 makes zooming available during movie playback pause to check focus in-camera and on-site. Manual focusing with the NIKKOR Z 70-200mm f/2.8 VR S\*<sup>2</sup> can be controlled similarly to cine lenses as the focus shifts precisely according to the rotation angle. To make finding your desired moment easier during playback, the camera lets you customise how far you want to skip — either by seconds or by frames — using the main/sub-command dial. Meanwhile, the zebra pattern can also indicate “mid-tone range” — convenient for checking brightness on human subjects. HDMI output\*<sup>3</sup> display latency is reduced than with conventional models, which helps when shooting video with external monitors. Furthermore, 24-bit Linear PCM audio recording is now possible, contributing to higher production values.

\*<sup>1</sup> As of October 28, 2021, among mirrorless cameras, based on Nikon research.

\*<sup>2</sup> Requires firmware update.

\*<sup>3</sup> Not compatible with RAW video output to external recorders.







Wildlife photographer/filmmaker  
**SHANNON WILD**



*I wasn't even aware this kind of clarity and sharpness was achievable*

"I love how robust it is. I can go out into extreme environments, whether that's cold, hot, or dusty and dry, with confidence that the gear is going to work. I also love the beautiful combination of absolute clarity and sharpness with the creamy bokeh of the Z 9 and NIKKOR Z lenses. I'm absolutely a convert and I can't go back now."



*The Z 9 is freedom*

"Life doesn't stay still. It moves fast. With the Z 9, I can move just as fast, catch that movement and freeze it. Imagine you can shoot wide open at f/1.2 and get sharp focus on the eye. With the fast aperture, you can have the power of the strobe (light) all the way down, so the recycle time is super fast. The screen can tilt vertically, horizontally, and allow me to see the image in any way — all this is freedom."



Celebrity, fashion and beauty photographer  
**MATTHEW JORDAN SMITH**





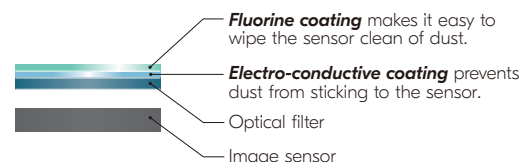
### Nikon's first 4-axis vertical/horizontal tilting monitor for flexible shooting

Nikon's flagship cameras have always been designed with thorough consideration for vertical shooting as well as horizontal. The Z 9's 4-axis tilting mechanism lets photographers tilt the display 90 degrees upward and 43 degrees downward in the horizontal position, as well as 90 degrees upward and 23 degrees downward in vertical. This flexibility greatly expands the choice of angles and opens up a vast range of creative possibilities.

### Powerful dust prevention measures for the image sensor

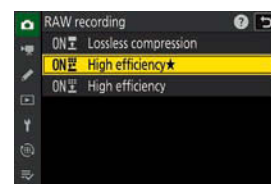
In order to minimise the risk of dust on the image sensor, the Z 9 newly adopts two measures on top of conventional image sensor cleaning. The optical filter covering the image sensor features the world's first\* dual coatings. These repel dust and allow for removal of persistent dust. What's more, the newly installed sensor shield prevents dust collecting on the sensor and accidental touching when lenses are changed, offering greater confidence in the field.

\* As of October 28, 2021, among mirrorless cameras, based on Nikon research.



### RAW becomes handier — high image quality meets small file size in High Efficiency RAW

High-resolution files tend to be heavy, especially when using RAW, and require additional hard drive space or a high-spec computer to store and edit them. For RAW users, the Z 9 introduces High Efficiency RAW which retains the same level of high image quality as the conventional uncompressed RAW in an approx. 1/3 smaller\* file size — making RAW files easier to handle than ever.



\* In High Efficiency RAW. In High Efficiency RAW★, the file size is approx. 1/2 of the conventional uncompressed RAW.



## Next-level confidence in a range of scenarios

Sensor shield

Design without need for a mechanical shutter



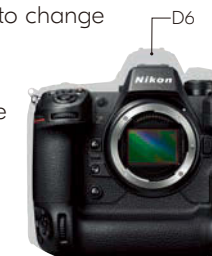
Theft prevention by Kensington lock compatibility



Icons and information displayed vertically in camera monitor and EVF in vertical still photography

### Professional operability in an approx. 20% smaller body than the D6

For professionals, it's essential that their camera has a well-thought-out button and dial layout that works to minimise operational errors, and a number of buttons customisable according to each need. With that in mind, the Z 9 is designed to fulfill those demands, while also achieving a body 20% smaller than the D6. The dedicated AF mode button allows you to change AF modes and AF area modes without removing your eye from the viewfinder. Buttons related to playback are located for fast access with your right thumb in either orientation. In addition, the three function buttons on the front are positioned with enough space to prevent mis-operation. Those seeking operational continuity from the D6 can assign the playback function to the Z 9's protect button at the top left of the rear side.



### Enhanced reliability over the D6 for rugged use

The Z 9 achieves D6-equivalent superior robustness, including dust- and drip-resistant performance even when the tilting monitor is pulled out — but it also goes a step further. The front and rear covers, incorporating magnesium alloy, are integrated with the bottom for even greater heat dissipation efficiency. In addition, a VR lock protects the sensor from the risk of losing accuracy, for example by swaying during bumpy off-road travel during wildlife shoots. Moreover, the camera design without need for a mechanical shutter frees you from worry about shutter wear or breakdown, enabling you to comfortably shoot vast numbers of images. The highly durable body can now function down to -10°C/14°F thanks to meticulous reexamination of all body parts by engineers.



### Fast write speed cards for 8K — double card slots for CFexpress Type B

To handle the large files of 8K UHD and 4K UHD/120p, CFexpress Type B is the best partner, offering two times faster write speed than CFexpress Type A. This high-capacity fast write speed also helps you get the most out of high-speed continuous shooting at 45 megapixels.





# The growing range of exceptional expressions — NIKKOR Z lenses

Making full use of the Z mount's largest\*, 55-mm diameter, NIKKOR Z lenses offer outstanding rendering performance. In addition to sharpness beyond that of NIKKOR F lenses, excellent point light reproduction, and natural, beautiful bokeh, they have also achieved minimum aberration. This allows you to leverage maximum aperture proactively and expands the range of image expressions available. Every S-Line lens is also optimally designed for video recording, minimising operational noise and focus breathing. The NIKKOR Z lens lineup will provide you with ever-expanding image-making possibilities.

\* As of October 28, 2021, among full-frame mirrorless cameras. Based on Nikon research.



© SHANNON WILD



## NIKKOR Z 100-400mm f/4.5-5.6 VR S

This lens offers excellent sharpness and clarity with minimum aberration even at the maximum aperture, throughout the zoom range. Its new zoom ring with 80-degree rotation angle and reduction in weight shift caused by zooming allow you to switch from wide-angle to telephoto quickly without adjusting your hold on the lens, while the most lightweight\* body results in excellent operability and handling.

\* Among interchangeable zoom lenses for full-frame (Nikon FX-format) digital cameras with maximum apertures of f/4.5-5.6 and focal length range covering 100-400mm available as of October 28, 2021. Based on Nikon research.



© KENIRO MATSUO

## NIKKOR Z 14-24mm f/2.8 S

This lens achieves the world's shortest\* and lightest\* 650-g body, while delivering extraordinary rendering.

\* Among interchangeable zoom lenses for full-frame (Nikon FX-format) digital cameras with a focal range beginning at 14 mm or lower and a maximum aperture of f/2.8 throughout the zoom range, available as of October 28, 2021. Based on Nikon research.



© KENIRO MATSUO

## NIKKOR Z 24-70mm f/2.8 S

Outstanding optical performance delivers extremely high resolution at edges of the frame as well as at the centre, even with the maximum aperture of f/2.8.



© KOJI NAKANO

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

Incorporating a variety of lens elements for great optical performance. Synchro VR\*1 with an effect equivalent to 6.0 stops\*2 faster shutter speed provides more stable images.

\*1 Synchro VR is available via firmware update.  
\*2 Based on CIPA Standards. At the telephoto end, with NORMAL mode.



© KENTA AMINAKA

## NIKKOR Z 50mm f/1.2 S

Overwhelmingly beautiful, creamy bokeh and extremely high resolution can both be found at the f/1.2 open aperture. The multi-focusing system achieves tack-sharp focus even at its shallowest depth of field.



© CHRISTIAN AMMANN

## NIKKOR Z MC 105mm f/2.8 VR S

Impressive visual expression in a diversity of scenes, from macro photography and product shots to portraits. Compatible with the Z 9's Synchro VR, it offers an effect equivalent to a shutter speed 5.5 stops\* faster, widely broadening creative possibilities.

\* Based on CIPA Standards. With NORMAL mode.



© JEFF PACHOUD

## Mount Adapter FTZ II



Tripod socket of the Mount Adapter FTZ is removed so that it doesn't interfere with your fingers, making it easier to hold in vertical grip. Enables continued use of your NIKKOR F lenses thanks to compatibility with approx. 360 lenses.

# NIKKOR Z





# Versatility at every step from shooting to delivery

## Enhanced handheld shooting with up to 6.0-stop compensation

The Z 9 delivers advanced vibration reduction (VR) with Synchro VR\*1 where 5-axis in-body VR and 2-axis lens VR work together, achieving an effect equivalent to a shutter speed up to approx. 6.0 stops\*2 faster. This helps handheld still photography at longer shutter speeds or with telephoto lenses, in which camera shake easily causes image blur. It also effectively compensates for vibration during video recording.

\*1 Compatible with the NIKKOR Z 70-200mm f/2.8 VR S, NIKKOR Z MC 105mm f/2.8 VR S and NIKKOR Z 100-400mm f/4.5-5.6 VR S. The NIKKOR Z 70-200mm f/2.8 VR S requires firmware update.

\*2 Based on CIPA Standards. When using the telephoto end of the NIKKOR Z 70-200mm f/2.8 VR S with NORMAL mode.



## Assisting astrophotography — button illumination, starlight view and warm display colours

For smooth operation in dark environments, essential buttons for camera settings and image playback can be illuminated. The Z 9 newly incorporates starlight view, which makes the EVF display and LCD monitor brighter to help you see subjects more clearly in dark situations. This mode also expands the lowest AF detection range down to -8.5 EV\*, facilitating autofocus in dark scenes. In addition, warm display colour options are available, shifting displays of shooting, menu and playback to warmer colours that are easy on the eyes.

\* Using AF-S and an f/1.2 lens, ISO 100 and 20°C/68°F with the centre focus point selected in single-point AF.



Camera menu in warm display colour and button illumination

## Faster, more streamlined connectivity — built-in Wi-Fi and 1000BASE-T wired LAN

The Z 9's built-in Wi-Fi offers fast communication without the need for additional accessories. You can wirelessly transfer images directly from the camera to an FTP, as well as synchronising shutter releases among the master and remote cameras. The Wi-Fi frequency is selectable between 2.4GHz or 5GHz\*, and access points indication shows SSID frequency. Reliable 1000BASE-T wired LAN image transfer is also faster than with the D6, and the network menu tab is newly added to the camera menu.

\* Not available in certain regions.



## NX MobileAir\*1 for fast image transfer using a 5G smartphone

Reliable image transmission from the Z 9 to a smartphone (Android/iOS\*2) with the NX MobileAir installed is ensured via a USB cable, and from there you can send images at high speed via 5G smartphone using FTP communication.

\*1 The number of albums and saved images becomes unlimited when you register for a paid plan. Available languages are English, Japanese and simplified Chinese. Available regions are limited to the US, Japan and China. Other regions to follow in/after 2022.

\*2 A dedicated cable is required to connect with an iOS smartphone.

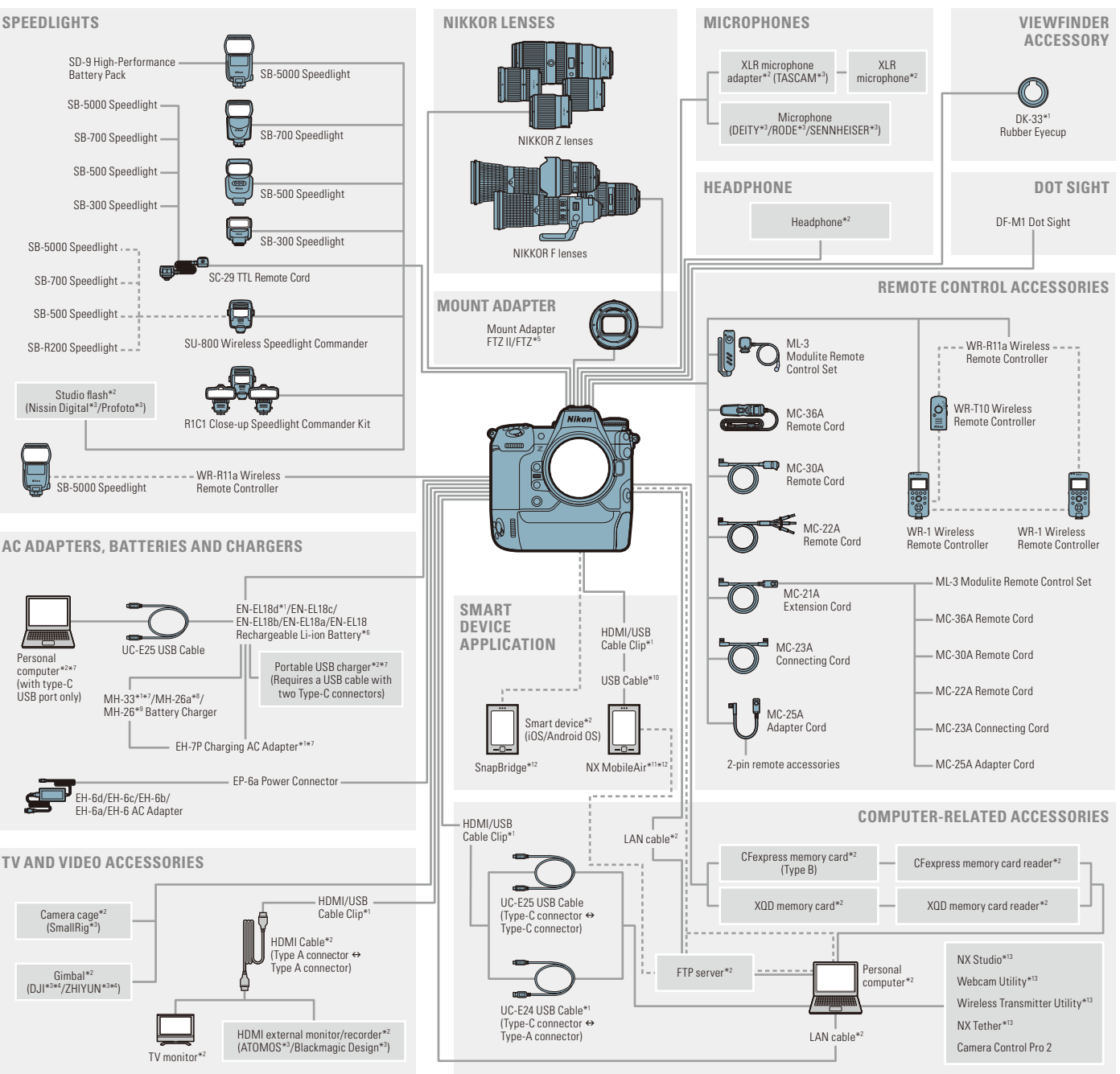


## Free NX Tether software for simple, reliable tethered shooting

Tethered shooting is essential for fashion, commercial and other studio shoots. With the NX Tether, this becomes a smooth process via its simple, intuitive interface and great compatibility with a diverse range of editing software.



## System Chart



\*1 Supplied accessories \*2 Non-Nikon products \*3 Collaborating accessory manufacturers \*4 Will be compatible soon. \*5 Mount Adapter FTZ may interfere with finger placement in vertical shooting. Requires update to the latest firmware. \*6 Only EN-EL18d/EN-EL18c/EN-EL18b batteries support USB charging. \*7 Cannot be used to charge EN-EL18a/EN-EL18 batteries. \*8 Cannot be used to charge EN-EL18d battery. \*9 Can be used to charge EN-EL18 battery only. \*10 When connecting with iPhones, use the Anker's USB-C to Lightning Accessory Cable. When connecting with Android devices, use the UC-E25 or a USB cable with the appropriate connectors for the camera and your smartphone on the market. \*11 Available regions and languages are limited. \*12 Can be downloaded from the application store of each smart device (free). Full functions of the NX MobileAir are available with charge. \*13 Can be downloaded from Nikon website (free).

## The Z 9 is designed to evolve

The Z 9's performance and features will continue to be enhanced. RAW video in-camera recording up to 8K/60p and more features are scheduled to be added. Improvements will continually meet further needs.

## Main features and functions to be upgraded

- In-camera 12-bit RAW video (over 8K/60p) recording
- Slow shutter speed in video M mode
- ISO sensitivity setting in 1/6 EV in video M mode
- Consolidated video info display
- Waveform monitor display
- Display of red REC frame during video recording
- Switching magnification rate during video recording

## Expanded creative expressions via collaborations with accessory brands

Compatibility with accessories is important in broadening creativity. Nikon collaborates with lighting accessory brands such as Nissin Digital and Profoto, as well as essential video accessory brands such as camera cage brand SmallRig, gimbal brands DJI\* and ZHIYUN\*, audio equipment brands Deity, RODE and Sennheiser, and external recorder brands ATOMOS and Blackmagic Design. The TASCAM XLR microphone adapter is newly compatible with the Z 9 for recording professional-quality sound. The Z 9 offers reliable shooting with accessories produced by these brands.

\* Will be compatible soon.



## Z 9 SPECIFICATIONS

Type of camera	Digital camera with support for interchangeable lenses
Lens mount	Nikon Z mount
Compatible lenses	• Z mount NIKKOR lenses • F mount NIKKOR lenses (mount adapter required; restrictions may apply)
Effective pixels	45.7 million
Image sensor	35.9 × 23.9 mm CMOS sensor (Nikon FX format)
Total pixels	52.37 million
File format	• NEF (RAW): 14 bit with lossless compressed; high efficiency★ or high efficiency • 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
Picture Control System	Auto, Standard, Neutral, Vivid, Monochrome, Portrait, Landscape, Flat, 20 Creative Picture Controls; selected Picture Control can be modified; storage for custom Picture Controls
Storage media	CFexpress (Type B), XQD memory cards
Dual card slots	The card in Slot 2 can be used for overflow or backup storage, for separate storage of NEF (RAW) and JPEG pictures, or for storage of duplicate JPEG pictures at different sizes and image qualities; pictures can be copied between cards
Viewfinder	1.27-cm/0.5-in. approx. 3690k-dot (Quad VGA) OLED electronic viewfinder with color balance and auto and 16-level manual brightness controls
Viewfinder frame coverage	Approx. 100% horizontal and 100% vertical
Viewfinder magnification	Approx. 0.8× (50 mm lens at infinity, −1.0 m <sup>-1</sup> )
Monitor	8-cm/3.2-in., approx. 2100k-dot vertically and horizontally tilting TFT touch-sensitive LCD with 170° viewing angle, approx. 100% frame coverage, and color balance and 11-level manual brightness controls
Shutter type	Electronic shutter with shutter sound and sensor shield
Shutter speed	1/32000 to 30 s in steps of 1/3, 1/2 and 1 EV, extendable to 900 s in mode <b>M</b> , bulb, time
Release modes	Single frame, continuous L, continuous H, High-Speed Frame Capture+, self-timer
Approximate frame advance rate (measured by in-house tests)	• Continuous L: Approx. 1 to 10 fps • Continuous H: Approx. 10 to 20 fps • High-Speed Frame Capture+ (C30): Approx. 30 fps • High-Speed Frame Capture+ (C120): Approx. 120 fps
Exposure metering system	TTL metering using camera image sensor
Exposure metering modes	• Matrix metering • Center-weighted metering: Weight of 75% given to 12- or 8-mm circle in center of frame or weighting can be based on average of entire frame • Spot metering: Meters circle with a diameter of approx. 4-mm centered on selected focus point • Highlight-weighted metering
Metering range (ISO 100, f/2.0 lens, 20°C/68°F)	−3 to +17 EV
ISO sensitivity (Recommended Exposure Index)	ISO 64 to 25600 in steps of 1/3 or 1 EV; can also be set to approx. 0.3, 0.7 or 1 EV (ISO 32 equivalent) below ISO 64 or to approx. 0.3, 0.7, 1 or 2 EV (ISO 102400 equivalent) above ISO 25600; auto ISO sensitivity control available
Active D-Lighting	Can be selected from auto, extra high 2, extra high 1, high, normal, low or off

Autofocus type	Hybrid phase-detection/contrast AF with AF assist
AF detection range (in photo mode, AF-S, ISO 100, f/1.2 lens, 20°C/68°F)	−6.5 to +19 EV (−8.5 to +19 EV with starlight view)
Focus points (in photo mode, FX format, single-point AF)	493 points
AF-area modes	Pinpoint AF, single-point AF, dynamic-area AF (S, M and L), wide-area AF (S and L), auto-area AF, 3D-tracking and subject-tracking AF (available in video mode only); Pinpoint AF, dynamic-area AF and 3D-tracking are available in photo mode only
Camera on-board VR	5-axis image sensor shift
Lens on-board VR	Lens shift (available with VR lenses)
Flash control	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
Flash modes	Front-curtain sync, slow sync, rear-curtain sync, red-eye reduction, red-eye reduction with slow sync, off
Nikon Creative Lighting System (CLS)	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
White balance	Auto (3 types), natural light auto, direct sunlight, cloudy, shade, incandescent, fluorescent (3 types), flash, choose color temperature (2500 to 10000 K), preset manual (up to 6 values can be stored), all with fine-tuning
Bracketing types	Exposure, flash, white balance, and ADL
Video metering modes	Matrix, center-weighted or highlight-weighted
Frame size (pixels) and frame rate	• 7680×4320 (8K UHD); 30p (progressive), 25p, 24p • 3840×2160 (4K UHD); 120p, 100p, 60p, 50p, 30p, 25p, 24p • 1920 × 1080; 120p, 100p, 60p, 50p, 30p, 25p, 24p; 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
File format	MOV, MP4
Video compression	Apple ProRes 422 HQ (10 bit), H.265/HEVC (8 bit/10 bit), H.264/AVC (8 bit)
Audio recording format	Linear PCM (for videos recorded in MOV) or AAC (for videos recorded in MP4)
Audio recording device	Built-in stereo or external microphone with attenuator option; sensitivity adjustable
Exposure compensation	−3 to +3 EV in steps of 1/3 or 1/2 EV
ISO sensitivity (Recommended Exposure Index)	• <b>M</b> mode: Manual selection (ISO 64 to 25600 in steps of 1/3 or 1 EV); with additional options available equivalent to approx. 0.3, 0.7, 1 or 2 EV (ISO 102400 equivalent) above ISO 25600; auto ISO sensitivity control (ISO 64 to Hi 2.0) available with selectable upper limit • <b>P, S or A</b> mode: Auto ISO sensitivity control (ISO 64 to High 2.0) with selectable upper limit
Other video options	Time-lapse video recording, electronic vibration reduction, time codes, N-Log and HDR (HLG) video
USB	Type-C USB connector (SuperSpeed USB); connection to built-in USB port is recommended

HDMI output	Type-A HDMI connector
Audio input	Stereo mini-pin jack (3.5-mm diameter; plug-in power supported)
Audio output	Stereo mini-pin jack (3.5-mm diameter)
Ten-pin remote terminal	Built-in; can be used with MC-30A/MC-36A remote cords and other optional accessories
Ethernet	RJ-45 connector; • Standards: IEEE 802.3ab (1000BASE-T), IEEE 802.3u (100BASE-TX), IEEE 802.3 (10BASE-T) • Data rates (Max. logical data rates according to IEEE standard; actual rates may differ): 10/100/1000 Mbps with auto detect • Port: 1000BASE-T/100BASE-TX/10BASE-T (AUTOMDIX)
Wi-Fi	Available
Bluetooth	Available
Supported GNS systems	GPS (USA), GLONASS (Russia), QZSS (Japan)
Data acquired	Latitude, longitude, altitude, UTC (Universal Coordinated Time)
Clock synchronization	Camera clock can be set to time acquired via GNSS
Track logs	NMEA-compliant
Log interval	15 s, 30 s, 1 min., 2 min., 5 min.
Max. log recording time	6, 12 or 24 hours
Log deletion	Supported
Battery	One EN-EL18d Rechargeable Li-ion Battery; EN-EL18c, EN-EL18b, EN-EL18a and EN-EL18 can also be used; Note that fewer pictures can be taken on a single charge than with the EN-EL18d and that the EH-7P Charging AC Adapter can be used to charge EN-EL18d, EN-EL18c and EN-EL18b batteries only
Charging AC adapter	EH-7P Charging AC Adapter
AC adapter	EH-6d AC Adapter; requires EP-6a Power Connector (available separately)
Tripod socket	0.635 cm; 1/4 in., ISO 1222
Dimensions (W × H × D)	Approx. 149 × 149.5 × 90.5 mm (5.9 × 5.9 × 3.6 in.)
Weight	Approx. 1340 g (2 lb 15.3 oz) with battery and two memory cards but without body cap and accessory shoe cover; approx. 1160 g (2 lb 9 oz) (camera body only)
Operating environment	Temperature: −10 to 40°C/+14 to 104°F; humidity: 85% or less (no condensation)
Supplied accessories (may differ by country or area)	BF-N1 Body Cap, EN-EL18d Rechargeable Li-ion Battery, MH-33 Battery Charger, EH-7P Charging AC Adapter, DK-33 Rubber Eyecup, HDMI/USB Cable Clip, AN-DC24 Strap, UC-E24 USB Cable, BS-1 Accessory Shoe Cover

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**HDMI**  
HIGH-DEFINITION MULTIMEDIA INTERFACE



### WARNING

TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT. SOME DOCUMENTS CAN BE DOWNLOADED FROM [downloadcenter.nikonimglib.com](https://downloadcenter.nikonimglib.com).

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. October 2021  
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