# Nikon

Z 7 II ™

ABSOLUTE IMMERSIVE MASTERPIECE

An incredible landscape that the Z 7II and NIKKOR Z lenses can depict with complete natural formations captured in astonishing resolution, including fine details and textures of the rocky surfaces and vegetation spreading across the land.
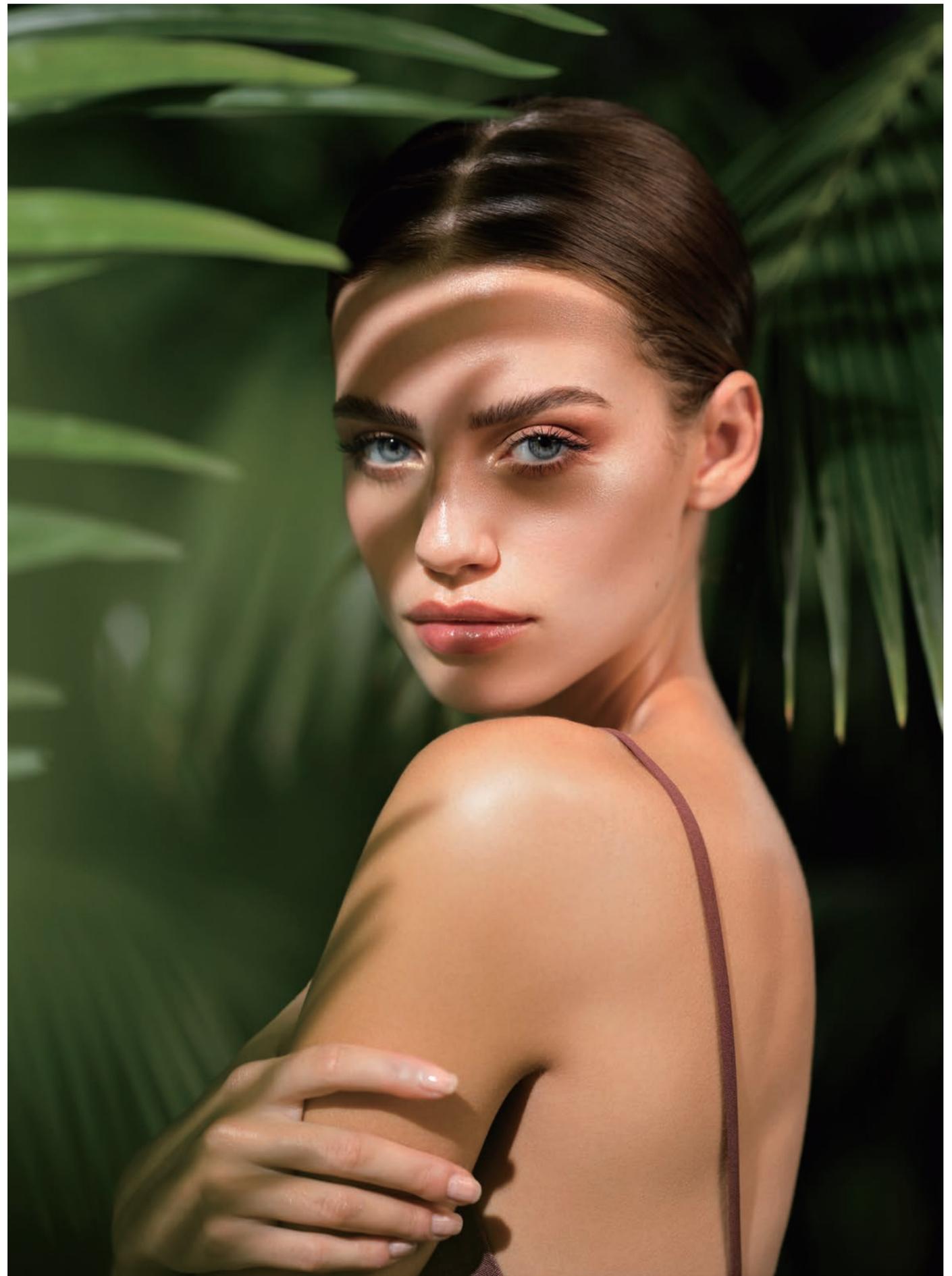
From a lugged, weathered face to smooth beauty portraiture, the Z-mount system captures dreamy bokeh and sharpness on the focal plane. Rendering that is only possible with this system delivers unprecedented depth to your image expression.

The Z 7II creates photos, that attract people whether viewed from a distance or in close proximity. You can see very real details in pictures shot with the Z 7II and NIKKOR Z lenses, especially when viewed up close. It makes you feel like the subject is right in front of you.

MAXIMIZING THE UNBRIDLED POWER OF LIGHT
IN PURSUIT OF THE ULTIMATE IMAGE

Nikon

Z 7II™ FX **Dual** *EXPEED 6* **4K UHD**

Elevate your images into a realm of unprecedented realism with sharp detail from corner to corner. The new Z 7II full-frame mirrorless and revolutionary NIKKOR Z lenses will further unleash your creative potential. With intuitive operation, sharp, accurate AF and dual image-processing engines, this mature evolution of the Z-mount system lets you make high-resolution 45.7-megapixel files at your own uninterrupted shooting rhythm. Even out in the harsh natural environment, you can keep exploring your creativity without worrying about your gear. Whether your subject is backlit, near or far, the Z 7II and NIKKOR Z will capture your heart with realistic subtlety and rich details you've never experienced before. A stunning moment that stands still forever: immerse yourself in it.

• Speed and power with approx. 10 fps for approx. 77 frames* at a time
• Sharp and accurate Eye- and Animal-Detection AF with wide-area AF option for stills and videos
• Subject-tracking AF for vertical moving subjects
• Dual card slots for CFexpress/XQD and UHS-II SD cards
• Optional MB-N11 Power Battery Pack with shutter-release button and command dials for use during vertical shooting
• Growing lineup of NIKKOR Z lenses

* 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.

C O N T E N T S

Z 7II™

NIKKOR® Z™

Z-MOUNT SYSTEM

THE BIG PICTURE FORMULA, GROWING FUTURE POTENTIAL

Unlock the true definition of sharpness: Z mount and NIKKOR Z lenses

The Z 7II's Z-mount specifications are the magic numbers that draw out the optical performance of Z lenses, leaving you ready to meet any future imaging developments with confidence. 55 mm for the large mount inner diameter and 16 mm for the short flange focal distance. These enable NIKKOR Z lenses to be optimized for transmitting a large volume of the purest possible light to the high-megapixel sensor. As a result, corner-to-corner sharpness is no longer an exaggeration — it is a reality. Depth is natural. Bokeh is not only soft, but beautiful. Point light comes out sharp as a pinprick. All this lifts your images to the next level, not just now but for years to come. From ultra-wide angle to telephoto zoom of f/2.8 and sharp, beautiful primes of f/0.95, f/1.2, and f/1.8, NIKKOR Z lenses let you impress yourself and others at a whole new level.

NIKKOR Z lens   CMOS sensor   Dual EXPEED 6

A wide range of NIKKOR Z lenses that provide unparalleled optical performance. A high-resolution CMOS sensor featuring 45.7 effective megapixels that takes full advantage of NIKKOR Z lenses. Dual EXPEED 6 image-processing engines that help maximize the high resolving power. The three elements making up the Z system realize incomparably high resolution in every image.

KEY FEATURES UNLOCKING THE Z SYSTEM'S NEXT CHAPTER

The Z 7II comes equipped with highly effective elements designed to build on the solid foundation of the Z system and further expand photographers' and videographers' imaging expression possibilities.
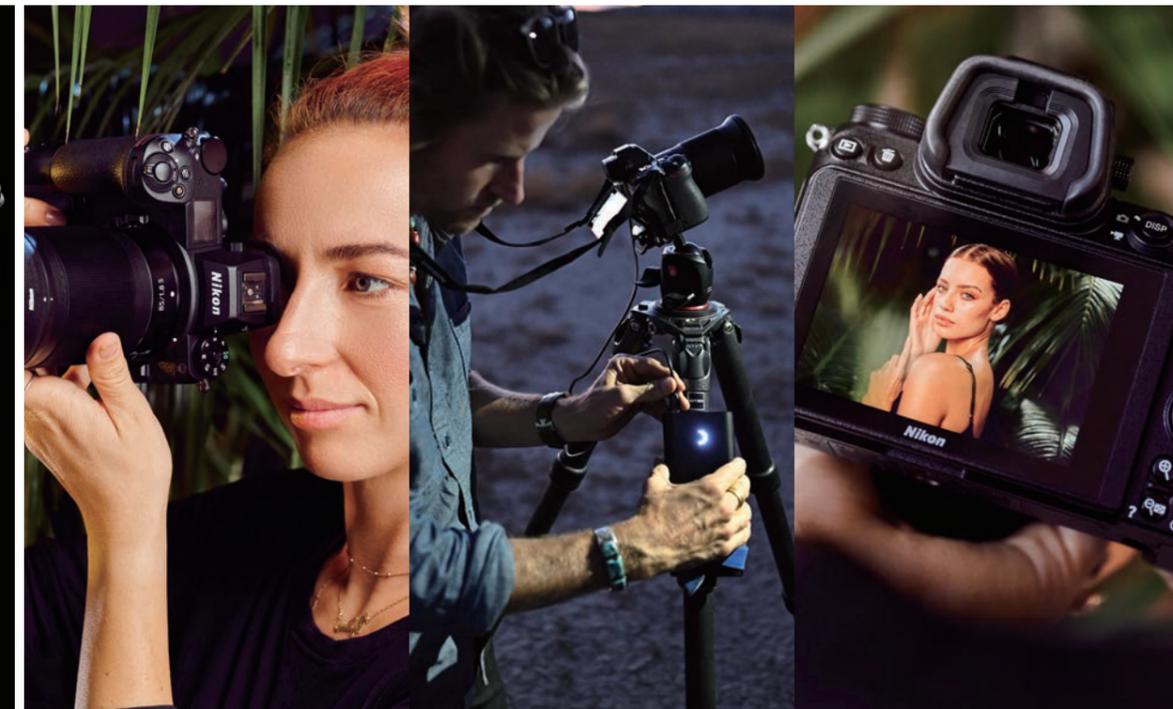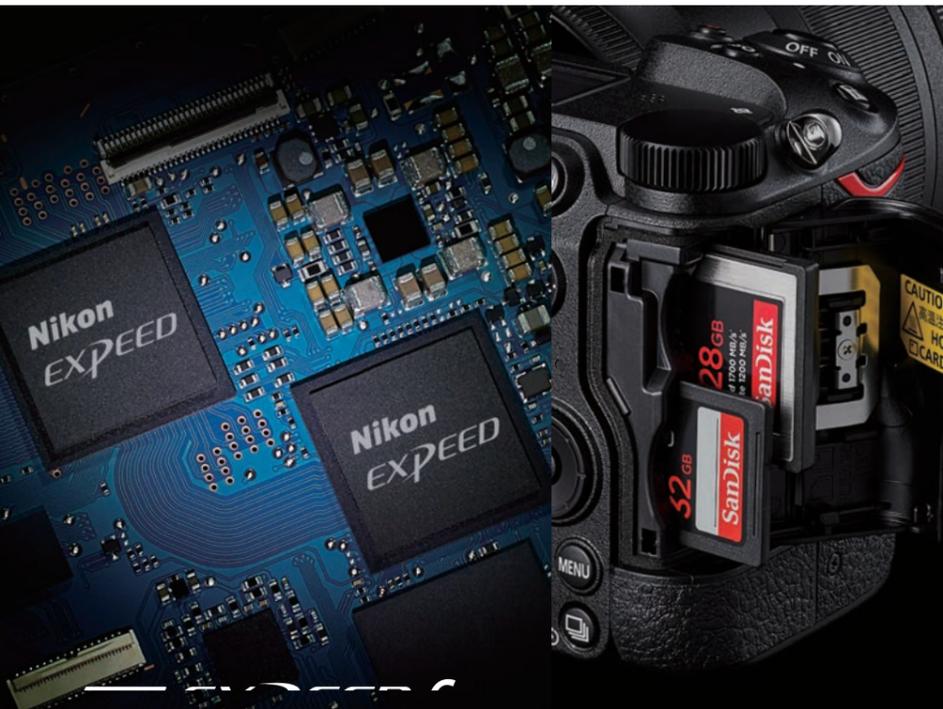
Stress-free shooting

· Boosted continuous shooting speed and buffer in still photography thanks to the dual engines increasing the speed of processing

· Employment of CFexpress cards reduced recording time

· Dual card slots enable smooth backup recording

Outstanding rendering in stills and videos

· A wide expansion of the NIKKOR Z lineup. The diverse 18 types cover 14 mm to 400 mm, largely extending the horizons of expression

· Lens design with consideration for video shooting realizes smoother focusing

Enriched system

· The optional vertical battery grip increases operability

· Expanded video accessories including those made by third party manufacturers

· Long hours of shooting made possible by USB power delivery

SUPREME RESOLUTION FROM Z 7II AND NIKKOR Z

High-resolution sensor delivering 45.7 megapixels designed to maximize NIKKOR Z performance

The Z 7II's FX-format sensor featuring 45.7 megapixels is designed to perform at its maximum potential when combined with NIKKOR Z lenses. The Z 7II and NIKKOR Z demonstrate how a high-resolution sensor enhances the sense of realism with rich textures, subtle details and more depth in images to an incredible degree. It offers an impressively wide dynamic range throughout its standard ISO range, starting from the base ISO 64. Up to the highest standard ISO 25600, the Z 7II effectively reduces noise and offers clean files for a wide variety of scenes.

Lens: NIKKOR Z 50mm f/1.2 S © Marie Börsch

Mesmerizing images with soft, melting bokeh

As a new addition to the NIKKOR Z lineup, the NIKKOR Z 50mm f/1.2 S introduces another unique layer to your creativity. The fast f/1.2 aperture enables you to apply large, beautiful bokeh, the kind that you would usually expect only from a big telephoto lens. The NIKKOR Z 50mm f/1.2 S turns a tight shooting scenario into a mesmerizingly dreamy space while the fast, accurate autofocusing resolves the focal plane tack-sharp even at the maximum aperture. Along with the rich rendering performance of the Z 7II, it will help you realize the true joy of photography.

NIKKOR Z 50mm f/1.2 S

"The 14-24 mm lens delivers sharpness from the center of the frame to the edges. Combined with the Z 7II, it lets me bring any kind of creative intention into reality in very high resolution." — Cory Richards

Expansive vision from a sharp glass of small form factor

An ultra-wide 14-24 mm, fast zoom lens finally comes to the NIKKOR Z lineup. Let this compact lens unleash its truly eye-opening optical performance by taking in stunning expanses of your surroundings. Beautiful stars in the night sky can be reproduced one by one in near-perfect point shapes. For landscape photography, where the sun often appears in the frame, this lens lets you shoot clear images with well-controlled flare and ghosting, due to its superb backlight tolerance. Furthermore, its dedicated lens hood is designed so that a filter can be easily attached to it. The powerful partnership of the Z 7II and NIKKOR Z 14-24mm f/2.8 S is a sure way to widen your creativity.

NIKKOR Z 14-24mm f/2.8 S

Lens: NIKKOR Z 24-70mm f/2.8 S © Marie Bärsch

"The Z 7II and NIKKOR Z lenses reproduced delicate details in shadows and highlights, just the way I like. There was no color fringing that often appear on borders between bright and dark areas." — Marie Bärsch

Lens: NIKKOR Z 24-70mm f/2.8 S © Marie Bärsch

New level of versatility with uncompromising image quality

From landscapes and portraits to candid snapshot, the NIKKOR Z 24-70mm f/2.8 S demonstrates an amazing level of sharp resolution. Truly versatile, this lens delivers a higher level of optical performance in any lighting conditions for subjects near or far. Unique to NIKKOR Z S-Line lenses, image sharpness like never before of this lens comes with soft, natural, beautiful bokeh. From the focal plane, your image continuously falls into softness, resulting in an image that has a strong sense of realistic space. The NIKKOR Z 24-70mm f/2.8 S is an indispensable arsenal that you'll always carry in your camera bag for the Z 7II.

NIKKOR Z 24-70mm f/2.8 S

"In backlit situations, the Z 7II and NIKKOR Z lenses reproduced the scene with high contrast, without any flare or ghost effects. It is also great to know the dust won't damage the camera. All this lets me fully concentrate on shooting with peace of mind." — Cory Richards

Fine details so impressive, telephoto zoom power of the next generation

Wildlife, action, landscapes, weddings, sports, portraiture, and so much more — the NIKKOR Z 70-200mm f/2.8 VR S lets you capture a wide range of subjects and scenes in high resolution from 70 mm to far distant 200 mm. All of this is only made possible thanks to the optically superior Z-mount system.

NIKKOR Z 70-200mm f/2.8 VR S

Lens: NIKKOR Z 70-200mm f/2.8 VR S + Z TELECONVERTER TC-2.0× · Exposure: [M] mode, 1/1600 second, f/5.6 · White balance: Direct sunlight · Sensitivity: ISO 80 · Picture Control: Auto © Cory Richards

Double your reach while utilizing the incredible performance of the NIKKOR Z lenses

For those who chase impossible shots — birders, nature and wildlife photographers, aircraft, sports and action photographers — reach is key. But so is speed, nimbleness and being in the right spot. The Z TELECONVERTER TC-2.0× gives you the best of both worlds, doubling the reach of compatible Z lenses* so you can bring shorter, lighter lenses into the field and still get the shot.

* As of the release date of the Z 7II, "compatible Z lens" refers to the NIKKOR Z 70-200mm f/2.8 VR S only.

NIKKOR Z 70-200mm f/2.8 VR S + Z TELECONVERTER TC-2.0×

Expansive views. Exceptional details.

The ultra-wide 20 mm prime lens can capture more of the story you are trying to tell. Expansive landscapes, scene-setting interiors, unique portraiture — all with more context and less edge distortion than similar shots at longer focal lengths. The fast f/1.8 aperture allows you to shoot very sharp images in low-light situations such as at night or indoor scenes. It is also ideal for astro photography because of its faithful point-image reproduction.

NIKKOR Z 20mm f/1.8 S

Lens: NIKKOR Z 85mm f/1.8 S © Marie Börsch

Pure natural beauty

This is an 85 mm prime lens that will thrill and inspire those who shoot portraits, fashion, weddings, or any situation that highlights the human form. The NIKKOR Z 85mm f/1.8 S captures the human form in breathtaking clarity and sharpness, free of distortion, making it particularly well suited for depicting the subtlety and nuances of facial expressions and the emotions. Its nine rounded aperture blades give defocused points of light a soft, round consistent shape. Plus, the transition from tack-sharp foreground to soft background is smooth and natural.

NIKKOR Z 85mm f/1.8 S

Middle range sharp : +2 Contour enhancement : +2 Clarity : +2 Contrast : +1 Saturation : +2

Middle range sharp : -2 Contour enhancement : -2 Clarity : -2 Contrast : -1 Saturation : -2

Define the edited look of your images in camera

With Picture Controls, you can create beautiful JPEG images instantly, easily, and flexibly — all in-camera, 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. Even when shooting RAW, in-camera processing is enabled, allowing you to create stunning images ready to share instantly with the Nikon's exclusive, reliable and easy-to-use application SnapBridge, right there in the field or on a trip.

* 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[1] enables upgrade of your camera's firmware. It informs you of new firmware, lets you receive it via smart devices and transfer it to your camera[2] right away via Wi-Fi®. 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®, iPad®, iPod touch® or smart devices running on the Android™ operating system. Available free from Apple App Store® and Google Play™. Please check Nikon's website for further information.
*2 When transferring firmware to the Z 7II, the camera must be turned on with a memory card inserted, and equipped with a battery that has sufficient remaining power capacity. Once transferred, upgrade operation must be performed from the menu.

GET IN THE RHYTHM FOR THE PERFECT FRAME

Dual EXPEED 6

Speed and power to enhance your concentration

Match your high-resolution images with more decisive moments. Equipped with turbo-charged Dual EXPEED 6 image-processing engines, the Z 7II realizes approx. 10-fps[*1] maximum continuous shooting for up to a whopping 77 frames[*2]. There's now no need to hesitate: you can continuously shoot at any pace and any framing you desire to keep up with a subject's constantly changing expressions or positions and nail the perfect frame in 45.7-megapixel high resolution. Where subtle nuances make a difference such as in portraits or scenes involving actions, the Z 7II enriches your creativity further.

*1 In high-speed continuous shooting (extended), with single-point AF. 9 fps in AF-C with an AF-area mode other than single-point AF.
*2 With 12-bit lossless compressed RAW (L) and Sony CEB-G128 CFexpress card in use.

Comfortable vertical shooting — New MB-N11 Power Battery Pack (optional)

For still shooting, the MB-N11 Power Battery Pack gives you a better camera-lens balance for more stable handling. Meanwhile, the dedicated shutter-release button and command dials make your shooting in vertical orientation more comfortable.

"One of the things that I love most about the new Z 7II system is the speed at which it shoots, as as well as the buffer. So I can shoot 10 frames a second of a scene of horses running across the field of view, and get the exact frame that I need in that moment." — Cory Richards

Sharpen your creativity with the exact AF as intended

The Z 7II's 493-point[*1] hybrid AF system offers you highly accurate focus across 90% of the frame. Controlling that power to meet your creative intentions is now even easier. When you want to let the camera automatically focus on the subject's eyes, but only in a limited area of the frame, the new wide-area AF (L) option for Eye-Detection AF/Animal-Detection AF helps you capture your subject in your intended composition — in both stills and video. Another handy option is the subject-tracking AF that performs like Nikon D-SLRs' popular 3D-Tracking, effectively keeping your subject in focus even as it comes closer or moves further away. When shooting in dark interior or night scenes, the Z 7II offers autofocus down to -3 EV[*2]. Working together with superb NIKKOR Z lenses, the Z 7II gives you the sharp, accurate AF you need.

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

Lens: NIKKOR Z 85mm f/1.8 S © Marie Bärsch
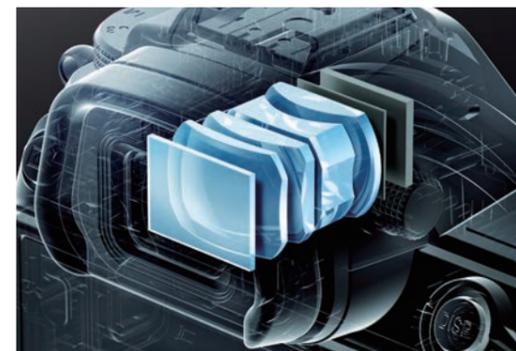
Clear, natural view to connect you and your subject in motion

The natural view of the Z 7II's electronic viewfinder brings you right into the scene. It maintains that important direct connection between you and your subject. Nikon's expertise in optics and image processing spares no detail to give you a clear and comfortable view with reduced aberration. You can keep shooting with minimum eyestrain, even over extended periods. The Z 7II further improves visibility during high-speed continuous shooting. With an increased number of frames* processed between shots compared to previous models, you can more easily follow your moving subjects in the frame and capture decisive moments.

* Only in Continuous L or Continuous H mode.

Confirm your image with no distractions — Live view info display off

The Z 7II now lets you turn off the live view info display[1], addressing users' requests. You can assign this function to custom controls[2], and switch on/off with just a click. This allows you to confirm your whole composition without distractions, convenient in video shooting as well as stills.

[1] Focus point, rec icon during movie recording and total length display are excluded.
[2] Assigned to the movie-record button in photo mode default setting.

INDISPENSABLE RELIABILITY

Anti-moisture and anti-dust protection

The Z 7II has comprehensive weather- and dust-sealing applied to its joints and seams, while its top, rear and bottom covers, as well as the inside body structure, are made of robust magnesium alloy. Sealing is also employed throughout the Z-mount system, including the NIKKOR Z lenses, to enhance total reliability. A fluorine coat on the NIKKOR Z and the Z 7II's EVF also allows you to easily and quickly wipe off moisture and dust, even right in the middle of shooting. The Z 7II is a camera that you can use free from worry in a wide range of tough environments.

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

The Z 7II offers improvements to let you keep on shooting for longer. A power-saving mode[1] is now available for situations where you need to be economical with energy usage. In addition to USB charging when the camera is off, USB power delivery[2] during shooting is now possible from a mobile battery[3] or computer via the optional UC-E25 USB Cable. This helps in situations such as outdoor time-lapse shooting, letting you continue shooting for an extended period of time.

[1] This will lower the image quality and frame rate of live view.
[2] USB power delivery using the EH-7P Charging AC Adapter is also possible. When connected with the EH-7P and an EN-EL15c/15b is inserted in the body, USB charging is possible.
[3] 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.

Improved battery life — New MB-N11 Power Battery Pack (optional)

The Z 7II comes with a new powerful EN-EL15c Rechargeable Li-ion Battery. You can shoot approx. 440 frames[1] per single charge. In addition to that, the newly released MB-N11 Power Battery Pack (optional), which extends both the number of still shots and the length of video recording to approx. 1.9 times[2] per charge compared to when shooting with the camera alone, also lets you to carry on being creative without any worries by hot swapping batteries — meaning that as long as one battery still holds a charge, it will continue to supply power even when the other battery is removed.

[1] [Monitor only] selected for monitor mode with [Enable] selected for [Energy saving (photo mode)] in the setup menu. Length of footage: 105 minutes with [Viewfinder only] selected for monitor mode.
[2] When attaching the MB-N11 Power Battery Pack with two fully charged EN-EL15c batteries.

Dual card slots

The Z 7II records its massive image files very fast onto two different media — reliable CFexpress (Type B)/XQD cards and the UHS-II SD card — through its dual card slots. With the powerful dual EXPEED 6 engines that can easily handle simultaneous recording of big files onto two memory cards, the Z 7II never slows down. Your shooting rhythm never gets interrupted.

4K UHD 60p video

Picture your subject in high-resolution, the still images flowing into motion. You can capture all of them in immersive 4K UHD video, rich in color and detail, and now record the scene at 4K 60p*, revealing movement with smooth cinematic eloquence.

* The actual angle of view when shooting in 3840×2160 at 60p is approx. 93% of that when [FX] is selected for an image area of 3840×2160 30p/25p/24p.

AF performance in video

The Z 7II's AF lends you a more sophisticated video shooting capability, especially in situations when filming alone. Face- and eye-detection AF for people and animal lets you more easily stay focused on your subject even when it moves, such as in an interview or party. The wide-area AF option is useful when you want to focus on the intended face or eyes in a busy frame. You can also shift your focus from foreground to background or vice versa, simply by touching the LCD screen. AF speed can be customized to be quicker or slower. Access to these different AF options and the ability to make adjustments are just a few touches of the LCD screen away.

10-bit N-Log/12-bit RAW video output

The Z 7II is also ready for high-production-value video shooting with its external video recording options. Taking advantage of a breathtaking color depth range in 4:2:2 10-bit HDMI output[*1], it now offers the Hybrid Log Gamma (HLG) option, which is convenient for producing HDR videos for HLG monitors. The profile supports ITU-R BT.2100, which features the wide color gamut of the BT.2020 standard. The N-Log option also records extremely rich gradation information, capturing up to approx. 1.07 billion colors as well as a wide dynamic range at 12 stops and 1300%, which allows effective color grading. Not only that, but the camera enables 12-bit RAW video output[*2] both in 4K UHD and Full HD — a feature available with high-end video cameras to offer maximum flexibility in color adjustment.

*1 Full HD/100p and 120p are not available.
*2 Optional with charge. Requires shipping of the camera to Nikon.

LIGHT WITHOUT LIMITS

Nikon Creative Lighting System with radio-controlled SB-5000 Speedlight

The SB-5000 Speedlight gives you greater freedom in your lighting (radio-controlled Advanced Wireless Lighting[*1]) and expands the reach of creative lighting. When used with the Z 7II and the optional WR-R10 or WR-R11b Wireless Remote Controller, you can control up to 18 units of SB-5000 Speedlight behind obstacles, around corners, in bright sunlight — even in different rooms — up to approx. 30 m/98 ft[*2] away.

*1 Radio-controlled AWL with the Z 7II and SB-5000 units requires the WR-R10 or WR-R11b Wireless Remote Controller.
*2 Approx. range at height of about 1.2 m/3.9 ft; varies according to weather conditions, presence of obstacles and radio communication conditions.

Unified flash control for seamless Speedlight control on location and in the studio

Speedlights placed in different locations don't have to be controlled individually. You can simply command everything from the Z 7II's menu screen, which is convenient, especially on location shoots, saving you from walking around to every Speedlight used. If you connect the Z 7II to the Camera Control Pro 2 software, for example in a studio shoot, you can control any remote Speedlight settings from your computer.

* Version update required for Camera Control Pro 2 (Ver. 2.23.0 or later).

MARIE BÄRSCH

Fashion & beauty photographer

"I'm looking for a true connection with my model. When she is ready to show herself to me, unguarded, I take a photo. I want this moment to feel real in my photography. I want every detail of my image to be true to life. I can do this with the Z 7II. The new Nikon Z 7II in combination with the NIKKOR Z lenses is able to capture everything. I can be sure that all those details and that insane sharpness is right there. It's a tool that delivers excellent image quality and just feels right in your hands. Instead of adding another layer between me and model, it's an extension of my creativity and lets me focus on my work."

CORY RICHARDS

Adventure photographer

"I was never concerned about the new Z 7II not being able to carry the amount of detail that I needed to tell the story that I wanted. I was only concerned about my execution of it, because I am relentlessly insecure and I think that's what pushes me forward as an artist. But the beauty of this camera is that I don't have to think about that anymore. The best technology is the technology that you don't have to think about. It becomes an afterthought because you trust it so completely that you're no longer concerned about its performance. And that's how I felt on the Z 7II. All I had to worry about was my own creative process."

1 Shutter-release button
2 Power switch
3 Lens mount
4 Image sensor
5 Lens mounting mark
6 AF-assist illuminator/
  Red-eye reduction lamp/Self-timer lamp
7 Lens release button
8 Fn2 button
9 Fn1 button
10 Sub-command dial
11 Playback button
12 Delete button
13 Viewfinder
14 Eye sensor
15 Rubber eyecup
16 Diopter adjustment control
17 Display button
18 Photo/movie selector

19 AF-ON button
20 Memory card slot cover
21 Sub-selector
22 i button
23 Memory card access lamp
24 Multi selector
25 OK button
26 Menu button
27 Release mode button/Self-timer button
28 Playback zoom out button/Thumbnail
  button/Help button
29 Playback zoom in button
30 Monitor
31 Eyelet for camera strap
32 Mode dial
33 Mode dial lock release
34 Stereo microphone
35 Control panel
36 Movie-record button

37 ISO button
38 Exposure compensation button
39 Main command dial
40 Focal plane mark
41 Speaker
42 Accessory shoe (for optional flash unit)
43 Battery-chamber cover latch
44 Battery-chamber cover
45 Power connector cover
46 Tripod socket
47 Monitor mode button
48 Charge lamp
49 Headphone connector
50 USB connector
51 HDMI connector
52 Connector for external microphone
53 Accessory terminal

SPEEDLIGHTS

SD-9 High-Performance Battery Pack

SB-5000 Speedlight

SB-5000 Speedlight — SB-700 Speedlight

SB-700 Speedlight

SB-500 Speedlight — SB-500 Speedlight

SB-300 Speedlight — SB-300 Speedlight

SC-28, 29 TTL Remote Cord

SB-5000 Speedlight

SB-700 Speedlight

SB-500 Speedlight

SB-R200 Speedlight

SU-800 Wireless Speedlight Commander

R1C1 Close-up Speedlight Commander Kit

Studio flash units*² — SC-15 Coiled Sync Cord

AS-15 Sync Terminal Adapter

SB-5000 Speedlight — WR-R11b/WR-R10 Wireless Remote Controller

AC ADAPTERS, BATTERIES AND CHARGERS

Personal computer*² (with type-C USB port only)

UC-E25 USB Cable

EN-EL15c*¹/EN-EL15b/ EN-EL15a/EN-EL15 Rechargeable Li-ion Battery*⁵

EH-7P Charging AC Adapter*¹

MH-25a*¹ Battery Charger

Portable USB charger*² (Requires a USB cable with two Type-C connectors)

EH-7P Charging AC Adapter

EN-EL15c*¹/EN-EL15b/ EN-EL15a/EN-EL15 Rechargeable Li-ion Battery*⁵

MB-N11 Power Battery Pack/ MB-N10 Battery Pack

EH-5d/EH-5c/EH-5b AC Adapter

EP-5B Power Connector

NIKKOR LENSES

NIKKOR Z lenses

NIKKOR F lenses

MOUNT ADAPTER

Mount Adapter FTZ

SMART DEVICE APPLICATION

SnapBridge*³

Smart device*² (iOS/Android OS)

Personal computer*² (with type-C USB port only)

UC-E25 USB Cable

UC-E24 USB Cable*¹

HDMI/USB Cable Clip*¹

LAN cable*²

WT-7/A/B/C Wireless Transmitter

EN-EL15c*¹/EN-EL15b/EN-EL15a/EN-EL15 Rechargeable Li-ion Battery

EP-5B Power Connector

EH-5d/EH-5c/EH-5b AC Adapter

HDMI/USB Cable Clip*¹

TV monitor*²

HC-E1 HDMI Cable (Type C connector ↔ Type A connector)

HDMI external monitor/recorder*²

MICROPHONES

ME-1 Stereo Microphone

ME-W1 Wireless Microphone

VIEWFINDER ACCESSORY

DK-29*¹ Rubber Eyecup

CASE

CF-DC9 Semi-Soft Case

HEADPHONE

Headphone*²

REMOTE CONTROL ACCESSORIES

WR-R11b/WR-R10 Wireless Remote Controller

WR-T10 Wireless Remote Controller

WR-1 Wireless Remote Controller

WR-1 Wireless Remote Controller

MC-DC2 Remote Cord

COMPUTER-RELATED ACCESSORIES

CFexpress memory card*² (Type B)

CFexpress memory card reader*²

XQD memory card*²

XQD memory card reader*²

SD memory card*²

SD memory card reader*²

Personal computer*²

ViewNX-i*⁴

Capture NX-D*⁴

FTP server*²

Camera Control Pro 2

TV AND VIDEO ACCESSORIES

Camera cage*²

Gimbal*²

*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

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	46.89 million
File format	• 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
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, SD (Secure Digital), and UHS-II compliant SDHC and SDXC memory cards
Dual card slots	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.
Viewfinder	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
Viewfinder frame coverage	Approx. 100% horizontal and 100% vertical
Viewfinder magnification	Approx. 0.8× (50 mm lens at infinity, −1.0 m⁻¹)
Monitor	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
Shutter type	Electronically-controlled vertical-travel focal-plane mechanical shutter; electronic front-curtain shutter; electronic shutter
Shutter speed	1/8000 to 30 s in steps of 1/3 and 1/2 EV, extendable to 900 s in mode M, bulb, time, X200
Release modes	Single frame, continuous L, continuous H, continuous H (extended), self-timer
Approximate frame advance rate (measured by in-house tests)	• Continuous L: Approx. 1 to 5 fps • Continuous H: Approx. 5.5 fps (14-bit NEF/RAW: Approx. 5 fps) • Continuous H (extended): Approx. 10 fps (14-bit NEF/RAW: Approx. 9 fps)
Exposure metering system	TTL metering using camera image sensor
Exposure metering modes	• 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
Metering range (ISO 100, f/2.0, 20°C/68°F)	-3 to +17 EV
ISO sensitivity (Recommended Exposure Index)	ISO 64 to 25600 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 32 equivalent) below ISO 64 or to approx. 0.3, 0.5, 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, high, normal, low or off (available in both photo and movie modes)
Autofocus	Hybrid phase-detection/contrast AF with AF assist
AF detection range (in photo mode, AF-S, ISO 100, f/2.0, 20°C/68°F)	-3 to +19 EV (-4 to +19 EV with low-light AF)
Focus points (in photo mode, FX format, single-point AF)	493 points
AF-area modes	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)
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 (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
Bracketing types	Exposure, flash, white balance and ADL
Movie metering modes	Matrix, center-weighted or highlight-weighted
Frame size (pixels) and frame rate	• 3840 × 2160 (4K UHD); 60p (progressive), 50p, 30p, 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
File format	MOV, MP4
Video compression	H.264/MPEG-4 Advanced Video Coding
Audio recording format	Linear PCM, AAC
Audio recording device	Built-in stereo or external microphone with attenuator option; sensitivity adjustable
Movie ISO sensitivity (Recommended Exposure Index)	• M: Manual selection (ISO 64 to 25600 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 102400 equivalent) above ISO 25600; auto ISO sensitivity control (ISO 64 to Hi 2.0) available with selectable upper limit • P, S, A: Auto ISO sensitivity control (ISO 64 to Hi 2.0) with selectable upper limit • 🅰: Auto ISO sensitivity control (ISO 64 to 25600)
Other movie options	Time-lapse movie recording, electronic vibration reduction, time codes, logarithmic (N-Log) and HDR (HLG) movie output
USB	Type C USB connector (SuperSpeed USB); connection to built-in USB port is recommended
HDMI output	Type C HDMI connector
Accessory terminal	Built-in (can be used with MC-DC2 Remote Cords and other optional accessories)
Audio input	Stereo mini-pin jack (3.5-mm diameter; plug-in power supported)
Audio output	Stereo mini-pin jack (3.5-mm diameter)
Wi-Fi	Available
Bluetooth	Available
Battery	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
Battery pack	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
Charging AC adapter	EH-7P charging AC adapter
AC adapter	EH-5d/EH-5c/EH-5b AC adapter (requires EP-5B power connector, which is available separately)
Other features	Multiple exposure, silent photography, interval timer shooting, focus shift shooting, HDR, SnapBridge compatibility and High-Speed Frame Capture, retouch menu
Dimensions (W × H × D)	Approx. 134 × 100.5 × 69.5 mm/5.3 × 4.0 × 2.8 in.
Weight	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)
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-EL15c Rechargeable Li-ion Battery, MH-25a Battery Charger, DK-29 Rubber Eyecup, UC-E24 USB Cable, HDMI/USB Cable Clip, EH-7P Charging AC Adapter, AN-DC19 Strap, BF-N1 Body Cap, BS-1 Accessory Shoe Cover