



Z 7 II



ABSOLUTE IMMERSIVE MASTERPIECE



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

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.

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.

Lens: NIKKOR Z 70-200mm f/2.8 VR S • Exposure: [M] mode, 1/320 second, f/8 • White balance: Shade • Sensitivity: ISO 100 • Picture Control: Auto © Cory Richards



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

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

Z-MOUNT SYSTEM: THE BIG PICTURE FORMULA, GROWING FUTURE POTENTIAL

Mesmerising images with soft, melting bokeh



© Marie Bärsch

NIKKOR Z
50mm
f/1.2 S



New level of versatility with uncompromising image quality



© Marie Bärsch

NIKKOR Z
24-70mm
f/2.8 S



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

- Thanks to the Z mount's large inner diameter of 55 mm and short flange focal distance of 16 mm, NIKKOR Z lenses transmit a substantial amount of the purest light possible to the high-megapixel sensor.
- Get corner-to-corner sharpness, natural depth, and soft, beautiful bokeh.
- From ultra-wide angle to telephoto zoom of f/2.8, and sharp, fast and beautiful primes, NIKKOR Z lenses let you impress yourself and others to a whole new level.

Expansive vision from a sharp glass of small form factor



© Cory Richards

NIKKOR Z
14-24mm
f/2.8 S



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

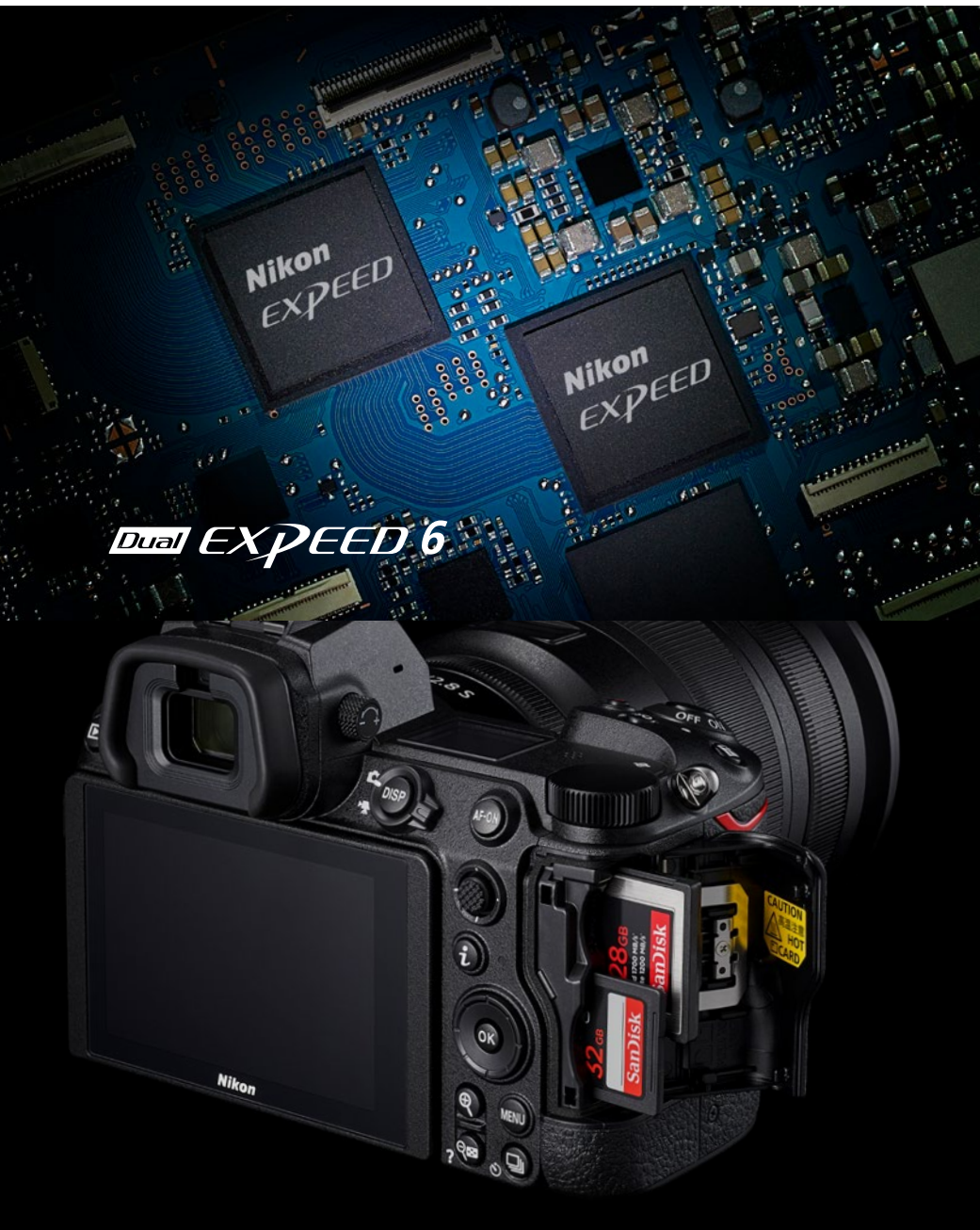


© Cory Richards

NIKKOR Z
70-200mm
f/2.8 VR S



UNLOCKING THE Z SYSTEM'S NEXT CHAPTER



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 realises smoother focusing

The Z 7II comes equipped with highly effective elements designed to build on the solid foundation of the Z system and further expand creators' imaging expression possibilities.

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: MESMERISING VISUALS, EXPANSIVE VISIONS AND INCREDIBLE VERSATILITY



Lens: NIKKOR Z 85mm f/1.8 S • Exposure: [M] mode, 1/640 second, f/1.8 • White balance: Color temperature (5000K) • Sensitivity: ISO 100 • Picture Control: Auto © Cory Richards

High-resolution sensor designed to maximise NIKKOR Z performance

- When pairing the Z 7II's FX-format sensor — featuring 45.7 megapixels — with NIKKOR Z lenses, you get an enhanced sense of realism with more depth, subtle details and rich textures.
- The Z 7II offers a wide dynamic range throughout its standard ISO range, starting from the base ISO 64.
- Up to the highest standard ISO 25600, the Z 7II reduces noise and offers clean files for diverse scenes.



Define your style in-camera

- Create beautiful JPEG images instantly, easily, and flexibly in-camera with Picture Controls.
- “Quick sharp” lets you adjust the sharpness and softness of stills and videos effortlessly.
- Perfect your final output by finetuning the three parameters — sharpening, clarity and mid-range sharpening*.
- In-camera processing is available even when shooting RAW, so you can snap and share your shots instantly.

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



Easy firmware upgrade via smart devices

- SnapBridge ver. 2.7*1 enables your camera's firmware to be upgraded easily.
- The app informs you of new firmware so you can receive it via smart devices and transfer it to your camera*2 instantly through Wi-Fi®. You no longer need a computer and card reader for this process.

*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.



SnapBridge

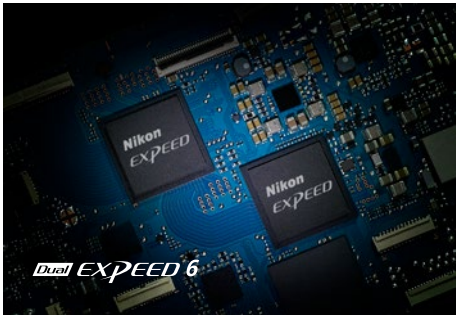
GET IN THE RHYTHM FOR THE PERFECT FRAME

Speed and power to enhance your concentration

- Keep up with your subject's movement with continuous shooting at any pace or framing in 45.7-megapixel high resolution.
- Equipped with turbo-charged Dual EXPEED 6 image-processing engines, the Z 7II realises approx. 10-fps*¹ maximum continuous shooting for up to a whopping 77 frames*².

*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.



Lens: NIKKOR Z 70-200mm f/2.8 VR S • Exposure: [M] mode, 1/1250 second, f/2.8 • White balance: Auto • Sensitivity: ISO 125 • Picture Control: Auto © Cory Richards



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

Sharpen your creativity with precise AF

- Get highly accurate focus across 90% of the frame with the Z 7II's 493-point*¹ hybrid AF system.
- Need the camera to focus automatically on your subject's eyes in a limited area of the frame? The new wide-area AF (L) option for Eye and Animal-Detection AF now helps you capture the composition you want in both stills and video.
- The Z 7II offers autofocus down to -3 EV*² when working in low light.

*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 centre focus point selected in single-point AF area mode.

A clear, natural view connecting you to your subject

- Stay in the moment and connect to your subject with a natural-looking view on the Z 7II's electronic viewfinder.
- Get a clear and comfortable view with reduced aberration and in turn, less eyestrain — even over extended periods.



Finalise your image with no distractions

- You can now turn off your live view info display*¹.
- Assign this function to custom controls*² and switch it on and off with a simple click.
- This gives you the freedom to finalise your composition without distractions — convenient in both video shooting and 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.

Comfortable vertical shooting

- The new, optional MB-N11 Power Battery Pack has a dedicated shutter-release button and command dials that provide extra comfort when shooting in vertical orientation.
- Get more out of your shoot with up to 1.9 times* more stills and video footage as compared to shooting with just the camera alone.

* When attaching the MB-N11 Power Battery Pack with two fully charged EN-EL15c batteries.



INDISPENSABLE RELIABILITY



Renowned reliability for a peace of mind

- Comprehensive weather- and dust-sealing applied to the Z 7II's joints and seams.
- Absolute durability with its top, rear and bottom covers, and internal body structure made of robust magnesium alloy.
- Wipe off moisture and dust — even in the midst of shooting — thanks to the fluorine coat on the NIKKOR Z and the Z 7II's EVF.



Save or boost energy while shooting

- Conserve power when you shoot for long hours with a power-saving mode*¹.
- On top of USB charging when the camera is off, you can now power the Z 7II on the go with USB power delivery*² from a power bank*³ or computer via the optional UC-E25 USB Cable.

*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.

Two card slots, three card formats

- Record massive image files swiftly onto two different media — the reliable CFexpress (Type B)/XQD cards and the UHS-II SD card — through its dual card slots.
- Powerful dual EXPEED 6 image-processing engines handle simultaneous recording of big files onto two memory cards easily, so your shooting rhythm never gets interrupted.



BEYOND AMAZING STILLS



Your story in vivid clarity

- Capture your subject in immersive 4K UHD 60p video that's rich in colour and detail.



Flexibility and choice for your directorial debut

- Create stunning, high-production-value movies with external video recording options.
- With a breathtaking colour depth range in 4:2:2 10-bit HDMI output*¹, the Z 7II offers the Hybrid Log Gamma (HLG) option so you can produce HDR videos for HLG monitors conveniently.
- The profile supports ITU-R BT.2100, featuring the wide colour gamut of the BT.2020 standard.
- The N-Log option records rich gradation information, capturing up to approx. 1.07 billion colours plus a wide, dynamic range at 12 stops and 1300% to give you effective colour grading.
- Get maximum flexibility in colour adjustment with 12-bit RAW video output*² both in 4K UHD and Full HD.

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

*² Optional feature. Support from a Nikon service centre is required with an applicable fee.

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 • i : 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

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Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. November 2020 © 2020 Nikon Corporation



WARNING

TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT.
SOME DOCUMENTS CAN BE DOWNLOADED FROM downloadcenter.nikonimglib.com.



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