THIS IS MY WORLD

Z 50™
Why settle for capturing images, when you can capture your inspirations? Introducing a unique mirrorless camera that can make your vision connect more powerfully with others — the Z 50. Small in size but big in image quality, the Z 50 unleashes your unique creativity from day one. Combining the unrivaled potential of the Z mount system with simple, well-thought-out camera operation, it lets you find new joy in making stunning images just as you envision them — day or night. What’s more, you can transfer your photos and videos immediately to your smart devices via the SnapBridge application, for easy sharing online. Get ready to capture the world in a way that only you can express with the Z 50.

THIS IS MY WORLD
AMAZING PERFORMANCE IN A COMPACT BODY

COMPACT, LIGHTWEIGHT BODY
HIGH-QUALITY SELFIES
HIGH ISO
EYE-DETECTION AF
HIGH-SPEED CONTINUOUS SHOOTING
VIDEO FEATURES

FUN FEATURES AND INTUITIVE HANDLING

MENU
BUILT-IN FLASH
ELECTRONIC VIEWFINDER (EVF)
PHOTO/MOVIE SELECTOR
CREATIVE PICTURE CONTROLS AND SPECIAL EFFECTS
MUTIPLE EXPOSURE
TIME-LAPSE MOVIES/INTERVAL-TIMER PHOTOGRAPHY
SILENT PHOTOGRAPHY
SNAPBRIDGE

A SYSTEM WITH WIDE-RANGING POSSIBILITIES

DX NIKKOR Z LENSES
S-LINE LENSES/NIKKOR F LENSES
ACCESSORIES

Z MOUNT SYSTEM

SPECIFICATIONS
COMPACT AND LIGHTWEIGHT, WITH A TRULY AUTHENTIC FEEL

Whether in your bag or over your shoulder, the Z 50 is a great companion — and it feels just right in your hands. Its secure, comfortable grip and operational buttons, intelligently arranged to provide efficient control, work like a natural extension of your body, responding seamlessly to your creative intentions. Despite its compact size, it has the overall look and feel of an authentic camera. It’s also protected against shock by magnesium alloy in the front and top covers, offering peace of mind when carrying it around.

HIGH-QUALITY SELFIES MADE FUN AND EASY

Point the camera towards yourself, flip the tilting monitor 180° downward to face you, and the Z 50 will immediately turn into a selfie camera. When used in this position, the operation buttons and dials are locked except for the shutter release button, so you can maintain a firm grip. This means you can compose the shot without worrying about pressing the wrong button, use touch AF on the LCD monitor to achieve focus, and capture selfies in high-quality stills and movies.
EYE-CATCHING IN SO MANY WAYS

The Z 50’s eye-detection AF is a powerful tool for capturing portraits. It tracks and locks focus on your subject’s eye — which is especially useful when your subject keeps moving. Eye-detection AF is also capable of intelligently recognizing the eyes of multiple people in the frame, giving you the choice of which person and which eye to focus on.

* When using auto-area AF in still photography.

BRILLIANT IMAGES, NIGHT AND DAY

Scenes you have never truly been able to bring to life in images, such as low-light indoor shots or outdoors after dark, come out sharp and beautiful with the Z 50. Its powerful ISO of 51200* handles the job with ease. Whenever the location, whatever the situation or subject, you’ll be ready to make your vision a reality.

* Up to ISO 25600 for movie recording.
CAPTURE AT THE SPEED OF LIFE

With the ability to shoot up to 11 frames per second*, you’ll have more chance to get a great shot of a decisive moment. If you want to capture a sequential movement even more smoothly, the Z 50 lets you shoot 8-megapixel images at an even faster 30 frames per second in silent video mode.

* When using a mechanical shutter, in continuous H (extended) release mode and NEF (2-bit RAW) + JPEG image quality.

4K UHD VIDEO

Capture beautiful 16:9 4K UHD/30p video using the whole frame. Amaze yourself and your audience with the variety of looks available from NIKKOR Z lenses, from wide angle to telephoto. The Z 50 offers beautiful output with minimum noise at high ISO, 1080/120p for slow motion, and smooth, accurate and silent AF for video. You can even touch to focus using the LCD monitor, for fast transitions between subjects. Focus peaking is available in both 4K UHD and 1080p recording, assisting manual focusing with easier confirmation on the monitor.
COMFORTABLE VIEWING UNDER BRIGHT SUNLIGHT
When you want to get a clearer view of what you are shooting under bright sunlight, or simply want to concentrate on your subject with no distractions, the easy-to-see EVF of the Z 50 comes in handy. It offers a sharp and clear image under any conditions, thanks to its high-resolution organic EL panel combined with Nikon’s superior optical and image-processing technologies. The EVF also displays the same settings as the LCD monitor, allowing you to make quick setting changes without taking your eye away.

ALWAYS READY TO SWITCH BETWEEN PHOTOS AND VIDEOS
When shooting video, you often want to use different camera settings than those you need for stills. The Z 50 lets you separately save the most appropriate settings for each shooting mode and then change smoothly between them with the flick of a selector.
EXPLORE DIVERSE LOOKS — 20 CREATIVE PICTURE CONTROLS AND 10 SPECIAL EFFECTS

Playing with different looks and colors can add different nuances to your images. You can see these by applying different Creative Picture Controls, confirming the appearance you get in real time via the monitor or EVF. It helps you create your ideal image, and the camera even lets you adjust the level within each Creative Picture Control. Meanwhile, Special Effects offer you a way to get more playful and experimental with your images. All of these options are at your fingertips, and can be applied for both photos and videos.

**Creative Picture Controls**
- Dream / Morning / Pop / Sunday / Somber / Dramatic / Silence / Bleached / Melancholic / Pure / Denim / Toy / Sepia / Blue / Red / Pink / Charcoal / Graphite / Binary / Carbon

**Picture Controls**
- Auto / Standard / Neutral / Vivid / Monochrome / Portrait / Landscape / Flat

**Special Effects**
- Night Vision / Super Vivid / Pop / Photo Illustration** / Toy Camera Effect / Miniature Effect**
- Selective Color / Silhouette / High-Key / Low-Key

*1 Movies shot in this mode play back like a slide show made up of a series of stills.
*2 Movies shot in this mode play back at high speed.
Note: Special Effects are not available with movies recorded in 1080/120p, 1080/100p, and 1080 slow-motion.

MULTIPLE EXPOSURES MADE EASIER THAN EVER BEFORE

Composing unique images that combine multiple shots on top of each other can seem challenging, but with the Z 50 it’s both simple and satisfying. When capturing multiple exposure shots, you can confirm a semi-transparent view of the overlay image being created on the monitor or the EVF. This makes it easier to frame the next shot, resulting in a finished composition just the way you want.

| Lens: NIKKOR Z DX 16-50mm f/3.5-6.3 VR | Exposure: [A] mode, 1/500 second, f/4.8 | White balance: Auto | Sensitivity: ISO 100 | Picture Control: Carbon ©Yohei Sawamura |
SILENT PHOTOGRAPHY FOR TRULY CANDID MOMENTS

An image can show a moment in all its spontaneity if it is captured without disturbing the scene. Perfect for such occasions, the Z 50 lets you shoot silently* using its full 20 megapixels in single-frame release mode. It’s ideal for taking unique portraits of your friends’ most natural moments, or adorable pictures of a sleeping baby or pet, and also when shooting in quiet situations such as at a wedding ceremony or in a museum. You can also shoot 8-megapixel images silently at up to approx. 30 fps in movie-recording mode.

* Aperture and AF drive sound may occur. If a NIKKOR F lens is used with the Mount Adapter FTZ, aperture, VR driving and initial lens driving sounds may occur, for instance when turning on the camera. Note: Rolling shutter distortion may occur during silent photography.

4K UHD TIME-LAPSE MOVIES AND INTERVAL-TIMER PHOTOGRAPHY

Gradual changes of light in landscapes, movements of drifting clouds, fast-paced cityscapes — capturing high-speed reproductions of these scenes can make for dramatic and memorable movie sequences. The Z 50’s time-lapse movie function automatically shoots a series of still images, and stitches them together in-camera to produce astonishing 4K UHD or Full HD movies using the whole of the frame. Meanwhile, if you want more control in editing, interval-timer photography is also available.

INSTANT IMAGE TRANSFER TO YOUR SMART DEVICES — SNAPBRIDGE

Share the excitement of what you see and create to your online community immediately, wherever you shoot. By installing the SnapBridge*1 app on your smart device*2, you can easily transfer stills (JPEG and RAW) and movies via Bluetooth® and Wi-Fi® from the camera, and upload them straight to social media. You can also use your smart device to remotely control shutter release and start/stop movie recording.

*1 Ver. 2.6.    *2 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.

FUN FEATURES AND INTUITIVE HANDLING
The two DX lenses put the amazing image quality of NIKKOR Z right in your hands, with compact, lightweight bodies. Together, the kit lenses cover focal lengths ranging from 16 mm to 250 mm without any gap. This lets you go from wide angle to telephoto in pictures that are stunningly detailed, even when shot from a close distance. You can turn everyday scenes into beautiful pieces of art. What’s more, AF is fast, accurate and quiet, making it great for video as well as stills. Both lenses come with a control ring, which can be custom-assigned with a choice of convenient settings*.

* Assignable settings in AF mode: Focus (M/A), aperture, exposure compensation, ISO, no setting.

NIKKOR Z DX 16-50mm f/3.5-6.3 VR
Weighing only approx. 135 g (4.8 oz), the NIKKOR Z DX 16-50mm f/3.5-6.3 VR is an ideal partner for the compact Z 50. Thanks to its retractable-lens mechanism, it achieves a small and light body that’s highly portable, without sacrificing optical performance. The lens covers everything from wide-angle landscapes to portraits, all with edge-to-edge sharpness, defying expectations for a lens of this class. As you can shoot with sharp focus as close as 0.2 m*1 (0.66 ft) from the subject, it’s also perfect for tabletop photography. The vibration reduction system offers an effect equivalent to a shutter speed 4.5 stops*2 faster, minimizing image blur.

NIKKOR Z DX 50-250mm f/4.5-6.3 VR
With its powerful 5x zoom, the NIKKOR Z DX 50-250mm f/4.5-6.3 VR lets you capture your subject up-close in superb resolution, even from a distance. The compression effect and large background bokeh that are unique to telephoto lenses make for impressive portraits and landscapes. As well as this, you can approach subjects as close as 0.5 m*3 (1.64 ft) to achieve beautiful close-up shots of near subjects. This offers a similar operational feel to the NIKKOR Z DX 16-50mm f/3.5-6.3, allowing smooth lens exchange. Powerful vibration reduction, providing an effect equivalent to a shutter speed 5.0 stops*2 faster, helps minimize image blur.

*1 At 24 mm zoom position  
*2 Based on the CIPA Standard. This value is achieved when attached to a DX-format camera with the camera’s VR function set to “NORMAL”, and when zoom is set to the maximum telephoto position.  
*3 At 50 mm zoom position: 1 m (3.29 ft) at 200 mm zoom position.
NIKKOR Z LENSES OFFER ENDLESS POSSIBILITIES

The Z 50’s large Z mount is a gateway to incredible new imaging possibilities. In addition to the two DX NIKKOR Z lenses, you can access the growing range of NIKKOR Z S-Line lenses, for an even more astonishing level of image quality. Landscape images show every tree in a forest in sharp detail. Bokeh is natural and gradual. Subjects in your images look and feel more lifelike than ever.

Adding another NIKKOR Z to your Z 50 gives incredible power to your creativity — both for photos and videos.

APPROX. 360 NIKKOR F LENSES BRING GREATER CREATIVE ENJOYMENT

Having access to NIKKOR Z lenses isn’t the only advantage of the Z 50 being part of the Z mount family: you can also pair it with approx. 360 NIKKOR F lenses* via the Mount Adapter FTZ. From super-wide to super-telephoto, from micro to fisheye, this legendary lineup offers truly diverse lenses with superb optical performance, cultivated over Nikon’s long history.

* Supported features differ according to each lens.

WIDE-RANGING ACCESSORIES TO ENRICH YOUR IMAGE-MAKING

As your creativity grows, you may want to try your hand at more diverse kinds of image-making. Fortunately, the Z 50 has an accessory shoe where you can mount accessories. For example, you can add a Nikon Speedlight such as the SB-500 to bring more drama to your images by effectively using shadows and light. And if you want to grab better audio during movie recording, the ME-1 Stereo Microphone is also available.
The Z 50 isn't just another compact mirrorless camera; it delivers superb image quality. That's because it uses the same Z mount as its larger siblings, the Nikon Z 7 and Z 6 cameras. This lens mount features a 55mm opening, wider than any competitors, which invites in a huge amount of light. The short, 16mm distance from the mount to the image sensor enables more flexible lens design and a smaller camera body. This combination allows engineers to use light more effectively, and develop lenses with outstanding optical performance, providing even higher resolution and more beautiful bokeh. The Z 50 can be used with the dedicated kit lenses, but is also compatible with a growing lineup of superb NIKKOR Z lenses.

LARGE Z MOUNT QUALITY
IN A SMALL, PORTABLE SYSTEM
• Lens: NIKKOR Z DX 50-250mm f/4.5-6.3 VR • Exposure: Scene mode; auto, 1/250 second, f/5.6 • White balance: Auto • Sensitivity: Auto (ISO 200) • Picture Control: Auto © Gabriela Herman

- Lens: NIKKOR Z DX 50-250mm f/4.5-6.3 VR • Exposure: Scene mode; auto, 1/250 second, f/5.6 • White balance: Auto • Sensitivity: Auto (ISO 200) • Picture Control: Auto © Gabriela Herman

- Lens: NIKKOR Z DX 50-250mm f/4.5-6.3 VR • Exposure: Scene mode; auto, 1/250 second, f/5.6 • White balance: Auto • Sensitivity: Auto (ISO 200) • Picture Control: Auto © Gabriela Herman

- Lens: NIKKOR Z DX 50-250mm f/4.5-6.3 VR © Shawn Corrigan • Photo retouched using third-party software
Type of camera
Digital camera with support for interchangeable lenses
Lense mount
Nikon mount
Compatible lenses
• F mount lenses (manual focus with mount adapter; restrictions may apply)
Effective pixels
20.9 million
Image sensor
2.36 x 1.88 cm CMOS sensor (Nikon DX format)
Video pixels
Various
White balance
Auto (Auto), natural light, natural light with daylight, sunny, shade, cloudy, fluorescent 1 (7300K), fluorescent 2 (3200K), fluorescent 3 (4800K), fluorescent 4 (5600K), incandescent, tungsten (3200K)
ISO sensitivity
Available in the following ranges: Auto (ISO 100 to 51200 equivalent) above ISO 51200; auto ISO sensitivity control available
Audio recording format
Linear PCM, AAC
Audio input
Microphone (built-in), 1/8 in. (3.5 mm) stereo audio input
Wireless (may differ by country or area)
Operating frequency: 2412 to 2462 MHz (channel 11)
• Standards: IEEE 802.11b/g/n/ a/ ac supported
• Maximum output power (EIRP): 6.9 to 10.2 mW; 4.9 to 6.1 mW
• Maximum output power (EIRP): 6.9 to 10.2 mW; 4.9 to 6.1 mW
• Maximum output power: 2.4 GHz band: 6.9 to 10.2 mW; 4.9 to 6.1 mW
• Maximum output power: 5.1 to 5.8 GHz band: 13 to 17 mW
Battery
EN-EL25 Rechargeable Li-ion Battery with terminal cover (comes attached to camera body only); approx. 450 g (15.9 oz.) with battery and memory card
Dimensions (W × H × D)
Approx. 126.5 × 93.5 × 60 mm (5 × 3.7 × 2.4 in.)
Weight
Approx. 600 g (20.9 oz) with battery and memory card; but without body cap; approx. 395 g (14 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)
MH-32 Battery Charger (plug adapter supplied in countries or regions where required; shops depends on country or area); DK-500 Rubber Eye cup (comes attached to camera body)
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• Images in viewfinder, on LCDs and monitors shown in this material are simulated.

SPECIFICATIONS