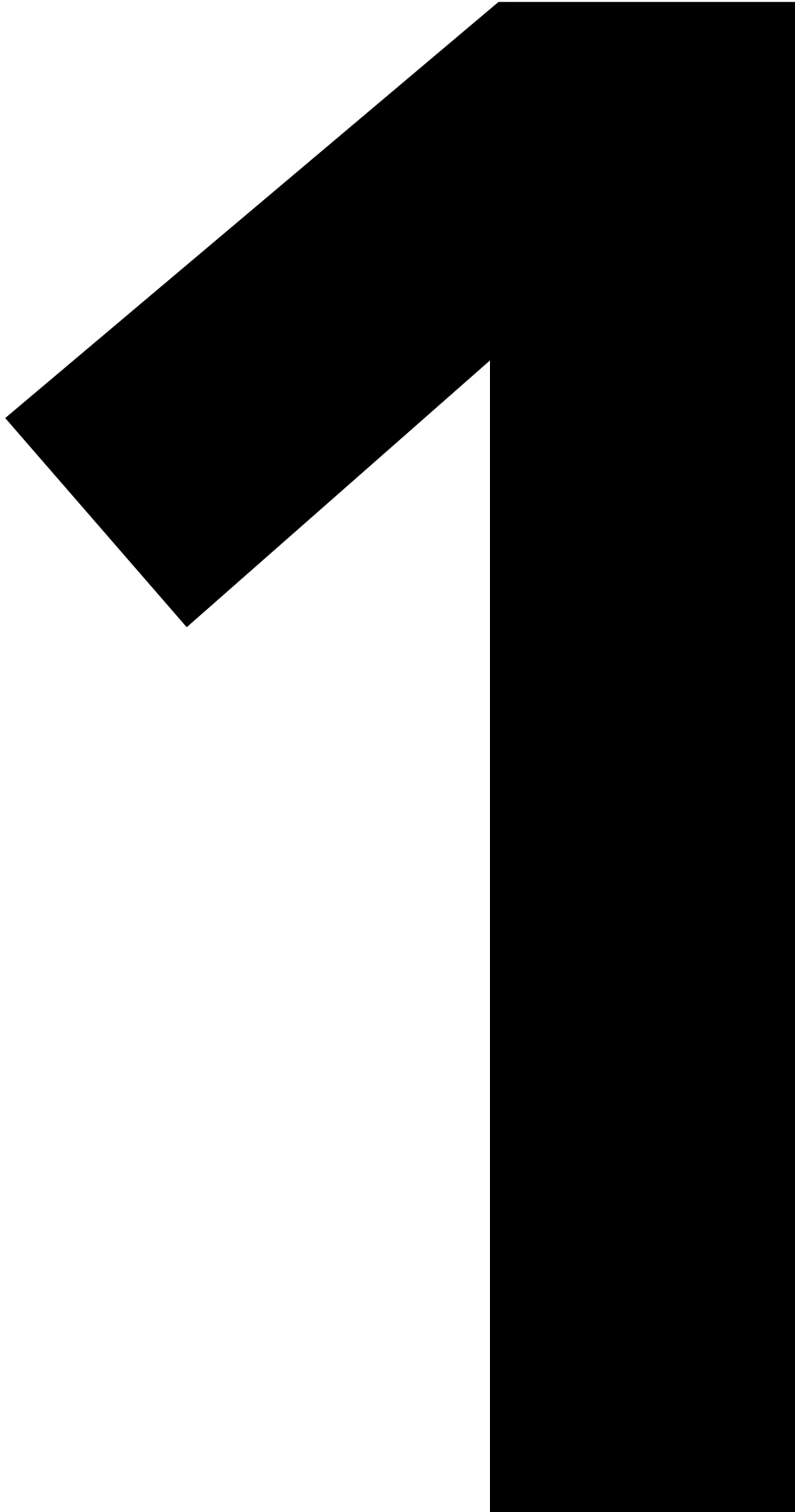# Nikon 1

I AM | THE NIKON 1

At the heart of the image

Nikon

I AM
THE SPEED OF LIFE

Nikon 1
Full speed ahead

More than just a new type of camera, the ever-expanding Nikon 1 interchangeable lens compact system camera is a whole new way to capture the speed of life. Smaller, faster, and more powerful than ever, the new generation of Nikon 1 interchangeable lens cameras makes it easy to accurately catch the decisive moments in your nonstop life.

Nikon 1 heralded a brand new era of Advanced Interchangeable Lens Cameras. Our first generation delivered intelligence and beauty at world-beating speeds. Now we've pushed the boundaries of technology further to make the second generation smaller, faster, and even more accurate.

The speed you associate with Nikon 1 cameras has been further enhanced with Nikon's next-generation EXPEED 3A dual image processor. Capable of processing data incredibly quickly, it powers even faster performance to let you shoot amazing images and Full HD movies in exciting new ways. And it's now even easier to transfer high-quality images with new, wireless ways to share what you shoot.

The newly developed super-high-speed CMOS sensor boasts a higher megapixel count[1] with increased ISO for more detailed shots in low light. Nikon's advanced hybrid autofocus system delivers the world's shortest release time lag[2], and now features improved autofocus tracking for wider coverage across the frame. And we've made even more of the camera's phenomenal speed by improving features like Motion Snapshot and Best Moment Capture to reward you with unique, detailed pictures of your active life.

To accompany these technological upgrades, we've also refined the cameras' aesthetics. The Nikon 1 J3 has a truly irresistible design that achieves the world's smallest body.[3] Crafted from high-quality aluminum and available in a range of colors, it looks stunning and feels solid in your hands.

We've also expanded our lineup by introducing the Nikon 1 S1—the first model in the new S-series. Designed for speed and simplicity, this stylish camera is refreshingly easy to use, giving you great results with less effort and ensuring that you never miss a moment.

Our new 1 NIKKOR lenses function just as perfectly with any Nikon 1 camera—giving you the power to record still images and movies without compromise. The optional mount adapter FT1 allows you to use NIKKOR D-SLR lenses, making the Nikon 1 system as flexible as it is fast.

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Ready for anything. Easy for everyone.

Shoot at the speed of life.

I AM | ALWAYS READY

Nikon 1 J3
Faster, smaller, smarter

Don't just watch events unfold—seize the moment with the stylish Nikon 1 J3 interchangeable lens system camera. Smaller and faster than ever before, with better image quality, and second-generation technologies that ensure you won't miss a single moment.

When it's this quick and easy to make beautiful photos and movies, your creativity flows naturally. The Nikon 1 J3 is small enough to carry everywhere, and fast enough to leap into action in the blink of an eye. Great features like Motion Snapshot and Best Moment Capture will reward you with unique pictures of your family's busy lives.

The finely crafted aluminum exterior feels even better than it looks, and the way it performs is even more impressive. The exceptionally fast EXPEED 3A dual-processing engine, built-in auto pop-up flash, and direct access to unique Nikon 1 features via the mode dial make shooting high-quality photos and movies effortless.

The CX-format CMOS sensor offers a higher 14.2-megapixel resolution, and an ISO range that goes up to 6400 for beautiful low-light detail. The astonishingly fast autofocus system delivers spot-on pictures and smooth, natural movies, no matter what or where you're shooting. And when the kids are letting off steam, you can capture all the action with continuous, full-resolution shots at up to 60 fps, or a swift 15 fps with autofocus.[4]

With second-generation features like Creative Mode and Live Image Control, you'll be able to capture sharp, detailed photos of your active life, better and faster than ever before. And with the WU-1b wireless mobile adapter, you can share your favorite images with your social network, quickly and easily.

The perfect balance of power, precision, and portability, the Nikon 1 J3 is a nonstop compact system camera for people who want to stay one step ahead of their nonstop lives.

White camera is pictured in actual size

Cameras are pictured in actual size

I AM | FAST AND STYLISH

Nikon 1 S1
Simply ready for action

When the moment strikes, you need a camera that's ready for anything.
Introducing the Nikon 1 S1—the first model in the new S series that gives you great results quickly and easily, ensuring that you never miss a moment.

Fast, stylish, and simple, the Nikon 1 S1 is ideal for people who want to go beyond basic point-and-shoot snapshots, and start capturing decisive moments with crisp images and high-quality movies.

Designed for simple, intuitive operation, the body of the Nikon 1 S1 has simplified controls and clear, uncomplicated menus that make shooting straightforward.

The camera boasts a 10.1-megapixel super-high-speed AF CMOS sensor, an astonishingly fast autofocus system that delivers spot-on pictures and smooth, natural movies, whatever the shooting conditions.[5]

The super-fast EXPEED 3A processor and second-generation technologies like Best Moment Capture, Live Image Control, and Motion Snapshot help you make the most of memorable moments, without making a fuss. Meanwhile, the built-in auto pop-up flash and simple digital menus give you great results with less effort.

If movies are your thing, Advanced Movie Mode lets you capture stunningly crisp Full HD footage. And if you're shooting with a 1 NIKKOR VR lens, you'll get steady video with smooth autofocus transitions—even at maximum zoom.

Because life's for sharing, it's now much easier to transfer your images with the WU-1b wireless mobile adapter. Just plug it in and share your creativity online—almost as fast as you can shoot it.

A ready-for-anything camera that's refreshingly easy to use, you'll always be ready to shoot high-quality photos and movies with the Nikon 1 S1.

Nikon 1 J3 • Lens: 1 NIKKOR VR 10–100mm f/4–5.6 • Focal Length: 14.4mm • Focus Mode: AF-C • VR: OFF • Aperture: f/4.5 • Shutter Speed: 1/200s • Exposure Mode: Shutter Priority • Exposure Compensation +0.3EV • Metering: Matrix • ISO Sensitivity: ISO 160 • White Balance: Auto

Spot-on shooting
Quick, sharp, precise autofocus

Nikon's impressively fast AF CMOS image sensor ensures that every picture you take is spot-on, and every movie looks smooth and natural.

Nikon's CX-format sensors are designed to deliver the ideal balance of speed, light sensitivity, resolution, and depth of field. This gives you the power to shoot clearer action shots, take better photos in low light, and easily soften backgrounds to make your subject stand out more.

The super-high-speed autofocus system works by instantly selecting the AF type that best suits the situation. For fast-moving subjects, it will choose the 73-point phase-detection AF. To pick out details in low light or focus accurately near the edge of the frame, it switches to 135-point contrast-detect AF.

The result is that your subject snaps into focus incredibly fast—whether you're taking a candid portrait as the daylight fades, or capturing the afternoon's action at the aqua park. And when you're shooting movies, AF tracking can maintain focus as you shoot to make sure you always capture superb high-resolution movies, effortlessly.

When it's this quick and easy to keep your subjects in focus, capturing the action is a real pleasure—whatever the conditions.

Nikon 1 J3 • Lens 1 NIKKOR VR 10–100mm f/4–5.6 • Focal Length: 17.1mm • Focus Mode: AF-C • VR: OFF • Aperture: f/4.5 • Shutter Speed: 1/800s • Exposure Mode: Shutter Priority • Exposure Compensation +0.7EV • Metering: Matrix • ISO Sensitivity: ISO 200 • White Balance: Auto

Incredible speed
Break the speed limit

When it comes to taking crisp action shots, you need a powerful combination of speed and precision.

Nikon's next-generation EXPEED 3A dual-processing engine processes data at incredible speed for unparalleled performance in any situation—from fast-moving action to low light conditions.

Continuous shooting is ideal for capturing those blink-and-you'll-miss-it moments. You can rely on the Nikon 1 to capture that one split second when everything comes together, no matter how fast your subject is moving.

In Auto Mode, the Nikon 1 can focus incredibly fast, and then continuously shoot clear, full-resolution images at 15 frames-per-second with autofocus activated—perfect if you want to focus tightly on a moving subject. If you shoot without autofocus tracking, you can enjoy an even faster 60 fps burst.

Whether you're trying to capture the joy of your son's first waterslide experience, or your friends' impromptu bike race, a Nikon 1 compact system camera means you'll never miss that one perfect moment.

I AM | PREMIUM SHARING

Quick, easy, wireless image transfer
Instantly share high-quality images with the world

Why wait to share moments? With the WU-1b wireless mobile adapter it's quick and easy to transfer high-quality photos straight from the camera to the Internet via your smartphone or tablet.[6]

Whether you want to upload a Motion Snapshot to your favorite social network, clear space on your memory card, or preview shots on a larger screen, you can do it all quickly, easily, and wirelessly. You can even use the adapter to control your camera remotely via your smart device.

No matter where you are, the adapter lets you transfer images without hassle. You don't need to connect it to an external Wi-Fi hot spot, and there's no need for batteries because it's powered by the camera.
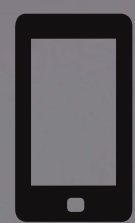
Nikon 1 J3 • Lens: 1 NIKKOR VR 10–30mm f/3.5–5.6 • Focal Length: 16.3mm • Focus Mode: AF-S • VR: OFF • Aperture: f/6.3 • Shutter Speed: 1/500s • Exposure Mode: Manual • Exposure Compensation: 0EV • Metering: Matrix • ISO Sensitivity: ISO 160 • White Balance: Auto

Photos that move. Stories to share.

Life never stands still—why should photos be any different?

Turn the mode dial to Motion Snapshot and discover a fantastic way to capture more than a single instant. Nikon's unique Motion Snapshots bring moments to life with a photo that actually starts to move right in front of your eyes.

One click is all it takes for the camera to create a "living image" by capturing a moment in time as a short, slow-motion movie that ends with the photo itself. The new e-VR (electronic Vibration Reduction) feature inside the camera corrects image blur for even sharper snapshots.

The creative possibilities are endless. Now you can truly capture the interaction between your kids as they play together in the park, or record the memorable occasion when Dad introduces your daughter to the joys of skateboarding.

Motion Snapshots are saved as a single .mov file, so it's easy to upload them to any platform and have fun sharing stories in a whole new way.

Nikon 1 J3 • Lens: 1 NIKKOR VR 10–100mm f/4–5.6 • Focal Length: 100mm • Focus Mode: AF-C • VR: OFF • Aperture: f/5.6 • Shutter Speed: 1/1000s • Exposure Mode: Shutter Priority • Exposure Compensation +1.0EV • Metering: Matrix • ISO Sensitivity: ISO 160 • White Balance: Auto

Discover the secret of perfect timing

When life's moving too fast for your shutter finger to keep up, turn the mode dial to Best Moment Capture and make the most of the Nikon 1's incredible speed. In this mode, the camera takes a rapid burst of photos instead of just one, making sure you always get a great shot.

Slow View quickly captures up to 20 full-resolution images[7] and simultaneously displays them in slow motion on the LCD screen. You simply select the exact moment you want to keep. It's the perfect way to capture quick movements, fleeting facial expressions, and fast-paced action.

Smart Photo Selector takes up to 20 full-resolution images[8] and automatically recommends up to five of the best shots. The system is now even better at identifying superior photos, based on factors like facial expression, composition, and focus.

Make every moment count, and put an end to bad timing and missed opportunities. With Best Moment Capture, you're guaranteed to take a great photo, no matter how fast the action.

Nikon 1 J3 • Lens: 1 NIKKOR VR 6.7–13mm f/3.5–5.6 • Focal Length: 9.4mm • Focus Mode: AF-A • VR: OFF • Aperture: f/5 • Shutter Speed: 1/1000s • Scene Auto Selector: Landscape • Exposure Compensation: 0EV • Metering: Matrix • ISO Sensitivity: Auto (ISO 160) • White Balance: Auto

Superb photography, simplified

Turn the mode dial to Auto, and relax! Auto Mode makes it easy for you to achieve impressive results with your Nikon 1 camera, shot after shot.

Depending on the conditions, and what you're taking a picture of, the camera uses Scene Auto Selector to choose the right shooting mode—like close-up, portrait, or landscape.

In Auto Mode, you can continuously shoot full-resolution images at incredible speeds, and even shoot movies (switch to Advanced Movie Mode for more options).

Press the F button to enter Live Image Control, and you can view in real time the effects of changes you make to camera settings. It's the easiest, most intuitive way to get impressive, creative results.

Live Image Control is simple to use. First, select the effect you want to control, like background blur, show movement, contrast, or brightness. Next, adjust the onscreen control bars until the preview image looks the way you want it to look. Then all you have to do is press the shutter release button.

There's no need to manually adjust technical settings and abstract values. No more guesswork or doubting whether your changes will be successful. With Live Image Control, what you see on the screen is exactly what you get.

See things differently

Try a different way of looking at the world. Dial in Creative Mode and you can apply filters and effects to photos before you shoot, and access PSAM shooting modes for total control. The LCD screen displays an example of how your resulting image will look, whichever effect you choose:

Night landscape and Night portrait capture clear photos in low light by instantly combining multiple shots taken at fast shutter speeds—so you can enjoy a world that's always perfectly lit.

Backlighting HDR combines two consecutive shots into one detailed photo of a high-contrast scene, like a sunny beach. It's an easy way to bring out details hidden in the shadows, or washed out by the light.

Easy panorama[9] lets you capture sweeping views by moving the camera vertically or horizontally to create 180- or 360-degree panoramas.

Soft enhances the mood by diffusing light around a sharply focused image to create romantic-looking photos with a dreamy, glowing atmosphere.

Miniature effect plays with perspective and depth of field to make a life-sized subject look like a miniature scale model. You'll get the best effects by shooting from a high vantage point.

Selective color lets you create artistic-looking monochrome photos with flashes of color. Try it next time you shoot a portrait to emphasize your model's eyes, or to accentuate the contrast between foreground and background when capturing a landscape.

PSAM shooting modes put you in control of Exposure, Shutter Priority, Aperture Priority, and Manual Exposure, for when you want to manage the camera's settings yourself.

Backlighting HDR   **Miniature**   **Soft**
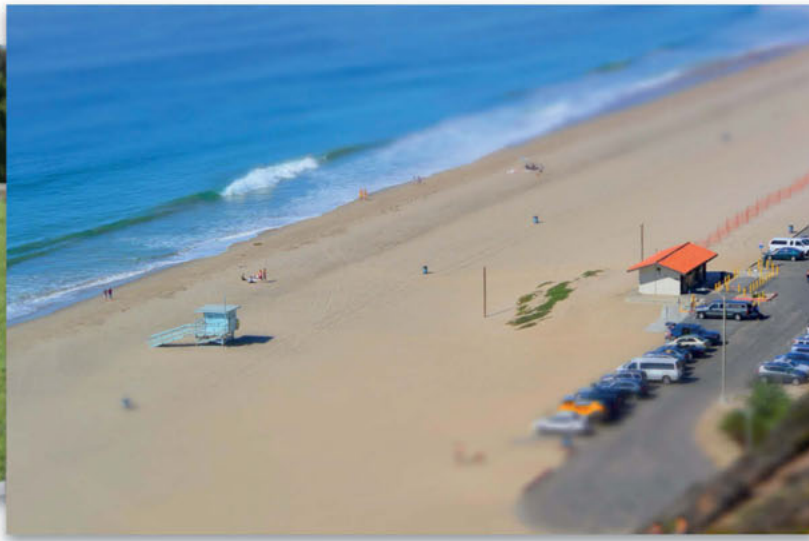
Nikon 1 J3 • Lens: 1 NIKKOR VR 10–100mm f/4–5.6 • Focal Length: 100mm • Focus Mode: AF-C • VR: OFF • Aperture: f/9 • Shutter Speed: 1/320s • Exposure Mode: Shutter Priority • Exposure Compensation: +0.3EV • Metering: Matrix • ISO Sensitivity: ISO 400 • White Balance: Auto

Shoot crisp, clear, smooth movies

Whether you're recording a kick-about in the park or an arty film, nothing beats the pleasure of capturing stunningly crisp Full HD footage[10] with a host of unique movie functions that deliver superb results.

The Nikon 1 is optimized to get the best out of action scenes, with a phase-detection AF system that focuses quickly and accurately on moving subjects. Meanwhile, smooth, silent autofocus transitions ensure footage looks natural and sounds great.

Turn the mode dial to Advanced Movie Mode, and you can effortlessly change manual exposure settings to set shutter speed and aperture before or during shooting. You can even take a full-resolution photo without interrupting recording.[11] And if you film with a smaller frame size, you can achieve dramatic effects in extreme slow motion, with recording speeds of up to 1200 fps.[12]

Whatever you're filming, the wide range of compatible 1 NIKKOR lenses opens up a world of possibilities. Use the optional ME-1 Stereo Microphone to capture crystal-clear stereo sound to accompany your Full HD footage.

When you're done shooting, get creative with Nikon's Short Movie Creator software to edit the final cut of your masterpiece—complete with soundtrack and credit sequence.

Nikon 1 S1 • Lens: 1 NIKKOR VR 10–100mm f/4–5.6 • Focal Length: 100mm • Focus Mode: AF-A • VR: OFF • Aperture: f/5.6 • Shutter Speed: 1/640s •
Scene Auto Selector: Auto • Exposure Compensation: 0EV • Metering: Matrix • ISO Sensitivity: Auto (ISO 100) • White Balance: Auto

Nikon 1 J3 • Lens: 1 NIKKOR VR 6.7–13mm f/3.5–5.6 • Focal Length: 6.7mm • Focus Mode: AF-S • VR: OFF • Aperture: f/5.6 • Shutter Speed: 1/125s • Exposure Mode: Aperture Priority • Exposure Compensation: +0.7EV • Metering: Matrix • ISO Sensitivity: ISO 400 • White Balance: Auto

1 NIKKOR VR 6.7–13mm f/3.5–5.6
Right in the heart of the action

View a shot taken with the 1 NIKKOR 6.7–13mm lens and you'll feel like you're actually there, right in the heart of the action.

This lightweight, ultra wide-angle zoom lens with Vibration Reduction lets you get up close and personal with your subjects and delivers crisp stills and steady movies.

With a focal length range of 6.7–13mm (35mm equivalent: approx. 18–35mm), and a 100° angle of view—the widest of all 1 NIKKOR lenses—this ultra wide-angle zoom lens is great for capturing plenty of detail when shooting a nearby subject, or for reproducing the full majesty of a sweeping landscape.

The 1 NIKKOR VR 6.7–13mm lens helps you take handheld shots and movies with confidence, thanks to the Vibration Reduction stabilization system and the smooth aperture mechanism that glides effortlessly between soft and sharp backgrounds.
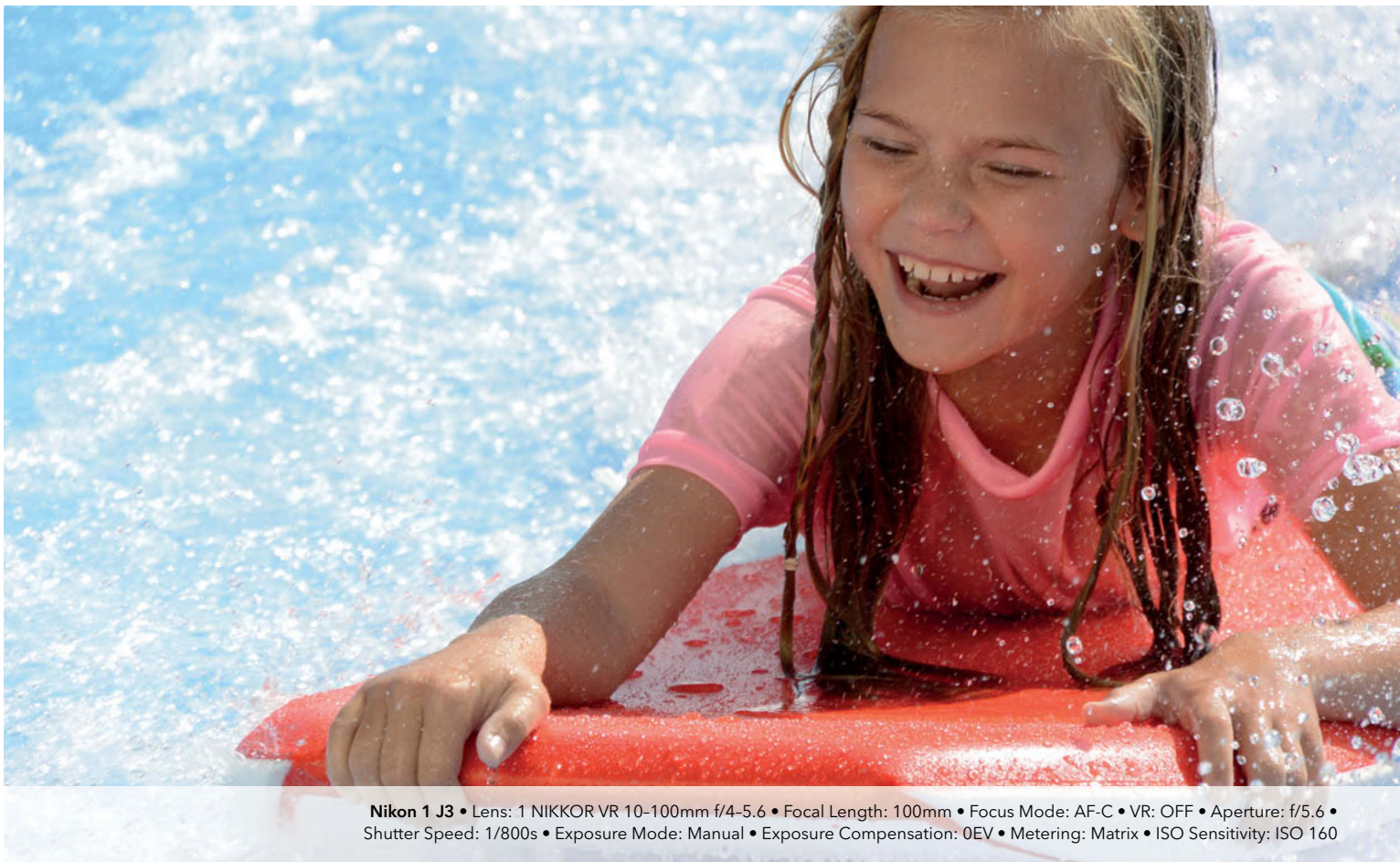
Nikon 1 J3 • Lens: 1 NIKKOR VR 10–100mm f/4–5.6 • Focal Length: 100mm • Focus Mode: AF-C • VR: OFF • Aperture: f/5.6 • Shutter Speed: 1/800s • Exposure Mode: Manual • Exposure Compensation: 0EV • Metering: Matrix • ISO Sensitivity: ISO 160

1 NIKKOR VR 10–100mm f/4.0–5.6
A pocketful of power

This compact, "carry-anywhere" 10x zoom lens has a powerful zoom range that makes it the natural choice when you want to get closer to a distant subject.

A portable all-round performer that's equally at home with wide-angle and telephoto shots, the 1 NIKKOR VR 10–100mm lens has a Vibration Reduction function to ensure that stills are crisp and movies are steady, even at maximum zoom.

With a focal length range of 10–100mm (35mm equivalent: 27–270mm), and maximum apertures of f/4.0–5.6, this lens makes an excellent addition to any Nikon 1 system.

Take the 1 NIKKOR VR 10–100mm lens with you wherever you go, and you'll always have the perfect lens, whether you're shooting portraits or capturing sporting action.

1 NIKKOR 10mm f/2.8

Go wide and stay sharp with this thin 10 mm wide-angle lens (35mm equivalent: 27 mm). Slim enough for any bag, it's ideal for making interiors and landscapes look even more vast, or when shooting in cramped spaces like restaurants. Try it when filming, and you'll be amazed how quiet the autofocus is.

1 NIKKOR 11–27.5mm f/3.5–5.6

Super-slim and ready to go, this small lens is always ready to perfectly capture busy lives, even if that great photo or movie moment takes you by surprise. Ideal for situations ranging from an impromptu afternoon in the park to a lavish dinner party, this 2.5x zoom lens with 11–27.5mm focal range (35mm equivalent: 30–74mm) is so compact you can keep it attached to your camera and still slip it into your pocket or bag.

1 NIKKOR 18.5mm f/1.8

Life through a fast lens always looks good. Capture superb low-light images, even at low ISO, and portraits with beautiful bokeh with this bright, portable lens with 18.5 mm focal length (35mm equivalent: approx. 50 mm) and fast f/1.8 maximum aperture. Lightweight and easy-to-carry, this lens makes a great addition to any photographer's Nikon 1 system.
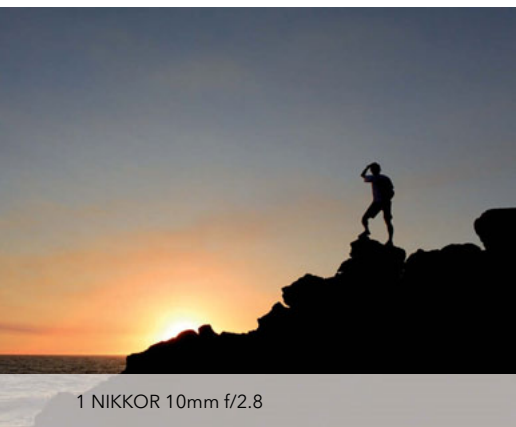
1 NIKKOR 10mm f/2.8

1 NIKKOR 11–27.5mm f/3.5–5.6

1 NIKKOR 18.5mm f/1.8

1 NIKKOR VR 10–30mm f/3.5–5.6

Enjoy the freedom to preserve moments just the way you remember them with this pocket-size 3x zoom lens. The 10–30mm focal range (35mm equivalent: 27–81mm) captures everyday scenes perfectly. A truly useful lens to have within easy reach wherever you go, its compact design includes a button that lets you retract the lens whenever you don't want to use it.

1 NIKKOR VR 30–110mm f/3.8–5.6

Get close to distant subjects wherever you are with this portable telephoto zoom lens. With a versatile 30–110mm focal range (35mm equivalent: 81–297mm), it's perfect on a city break or a day out shooting. Try using it when shooting portraits to call attention to someone's face rather than the background, and enjoy super-quiet autofocus performance when filming.

1 NIKKOR VR 10–100mm f/4.5–5.6 PD-ZOOM

Film cinematic-looking scenes with ease using this 10x power-drive zoom. The 10–100mm zoom range (35mm equivalent: 27–270mm) captures movies and stills with superb clarity. With built-in Vibration Reduction to keep shots steady, super-quiet autofocus performance, and a power-drive zoom switch that lets you zoom in and out quickly, or slowly, to heighten tension or create a sense of calm. This lens was made to shoot movies.

1 NIKKOR VR 10–30mm f/3.5–5.6

1 NIKKOR VR 30–110mm f/3.8–5.6

1 NIKKOR VR 10–100mm f/4.5–5.6 PD-ZOOM

Nikon 1 accessories
Get the most out of your shooting

Scuba shooter
Waterproof Case WP-N2

This compact and stylish underwater diving case is waterproof to 40 m and allows easy access to the main Nikon 1 camera functions. Comfortable to hold and easy to use, the case allows you to switch easily between stills and movie shooting and even use lens zoom to capture close-up shots of small subjects; so you can truly do justice to the wonders you see when you dive deep beneath the ocean's surface.

Extend your flexibility
Mount Adapter FT1

With the mount adapter FT1, you can attach Nikon's renowned NIKKOR DX- and FX-format F-mount lenses to your Nikon 1 camera.[13] An invaluable accessory, this adapter extends the flexibility of the Nikon 1 system beautifully. NIKKOR F-mount lenses mounted on the mount adapter FT1 have a 2.7x focal length crop factor—so you get a resulting angle of view that's over twice as long.

Get a grip
Camera Grip GR-N2100

This removable camera grip attaches to the tripod socket on your Nikon 1 J3 or Nikon 1 S1 camera. The grip's handhold is coated with rubber, so you can maintain a firm, comfortable grasp on it when shooting. Available in black or white.

Accessories overview

● Standard
○ Optional

Accessory	Available colours	Nikon 1 S1	Nikon 1 J3	1 NIKKOR VR 6.7–13mm f/3.5–5.6	1 NIKKOR 10mm f/2.8	1 NIKKOR VR 10–30mm f/3.5–5.6	1 NIKKOR VR 10–100mm f/4–5.6	1 NIKKOR VR 10–100mm f/4.5–5.6 PD-ZOOM	1 NIKKOR 11–27.5mm f/3.5–5.6	1 NIKKOR 18.5mm f/1.8	1 NIKKOR VR 30–110mm f/3.8–5.6
Rechargeable Li-ion Battery EN-EL21											
Rechargeable Li-ion Battery EN-EL20		●	●								
Battery Charger MH-28											
Battery Charger MH-27		●	●								
USB Cable UC-E19		●	●								
Power Connector EP-5D											
Power Connector EP-5C	■□	○	○								
AC Adapter EH-5b		○	○								
Body Cap BF-N1000		●	●								
Multi Accessory Port Cover BS-N3000											
ViewNX 2/Short Movie Creator CD-ROM (bundled software)											
Strap AN-N1000		●	●								
Leather Neck Strap AN-N2000	■□■■■■	○	○								
Leather Hand Strap AH-N1000	■□■■■■	○	○								
Nikon 1 V2 Body Case CB-N4000											
Nikon 1 V2 Body Case Set: Body Case + Front Cover CB-N4000				○	○				○	○	
CB-N2200S Body Case Set	■□■■■■	○	○								
CB-N2200 Body Case	■□■■■■	○	○								
CF-N5000 Soft Case	■	○	○								
Wrapping Cloth CF-N3000				○	○	○	○	○	○	○	○
Wrapping Cloth CF-N3100	■□■	○	○								
GR-N2100 Grip	■□	○	○								
WP-N2 Waterproof Case		○	○			○					
Mount Adapter FT1		○	○								
Stereo Microphone ME-1											
Multi Accessory Port Adapter AS-N1000											
Wireless Mobile Adapter WU-1b		○	○								
Remote Control ML-L3											
GPS Unit GP-N100	■□										
Speedlight SB-N5											
Speedlight SB-N7											
1 NIKKOR VR 10–100mm Lens Hood HB-N102								●			
1 NIKKOR VR 30–110mm Lens Hood HB-N103											●
1 NIKKOR VR 10–30mm Lens Hood HB-N101						○					
1 NIKKOR 10mm Lens Hood HN-N101					○						
1 NIKKOR 18.5mm f/1.8 Lens Hood HB-N104										○	
1 NIKKOR 10mm Lens Hood Cap HC-N101					○						
HB-N106 Lens Hood							○				
HB-N105 Lens Hood				●							
Lens Case CL-N101	■□■			○	○	○	○		○	○	○
Lens Case CL-N102								○			

Technical specifications Nikon 1 S1

Type	
Type	Digital camera with support for interchangeable lenses
Lens mount	Nikon 1 mount
Effective angle of view	Approx. 2.7x lens focal length (35 mm format equivalent)

Effective pixels	
Effective pixels	10.1 million

Image sensor	
Image sensor	13.2 mm x 8.8 mm CMOS sensor (Nikon CX format)

Image size	
Image size (pixels)	Still images (aspect ratio 3 : 2) • 3,872 x 2,592 • 2,896 x 1,944 • 1,936 x 1,296 Still images (aspect ratio 16 : 9) • 3,840 x 2,160 (Motion Snapshot mode or 1,080/60i, 1,080/30p selected in advanced movie mode) • 1,280 x 720 (720/60p, 720/30p selected in advanced movie mode)
File format	• NEF (RAW): 12-bit, compressed • JPEG: JPEG-Baseline compliant with fine (approx. 1 : 4), normal (approx. 1 : 8), or basic (approx. 1 : 16) compression
Picture Control System	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape; selected Picture Control can be modified; storage for custom Picture Controls
Media	SD (Secure Digital), SDHC, and SDXC memory cards
File system	DCF (Design Rule for Camera File System) 2.0, DPOF (Digital Print Order Format), Exif (Exchangeable Image File Format for Digital Still Cameras) 2.3, PictBridge

Shooting modes	
Shooting modes	◙ Auto, (programmed auto), ◙C Creative, with a choice of the following options: P, S, A, M, night landscape, night portrait, backlighting, easy panorama, soft, miniature effect, and selective color, ⊡ Best Moment Capture (slow view and Smart Photo Selector), ◙ advanced movie (HD -P, S, A, M only- and slow motion), ⊠ Motion Snapshot

Shutter	
Type	Electronic shutter
Speed	1/16,000-30 s in steps of 1/3 EV; Bulb Note: Bulb ends automatically after approximately 2 minutes
Flash sync speed	Synchronizes with shutter at X=1/60 s or slower

Release	
Mode	Single frame, continuous Self-timer
Frame advance rate	Approx. 5, 15, 30, or 60 fps
Self-timer	2 s, 5 s, 10 s

Exposure	
Metering	TTL metering using image sensor
Metering method	• Matrix • Center-weighted: Meters 4.5 mm circle in center of frame • Spot: Meters 2 mm circle centered on selected focus area
Mode	P programmed auto with flexible program; S shutter-priority auto; A aperture-priority auto; M manual; scene auto selector
Exposure compensation	-3 to +3 EV in increments of 1/3 EV
Exposure lock	Luminosity locked at metered value when shutter-release button is pressed halfway
ISO sensitivity (Recommended Exposure Index)	ISO 100-6400 in steps of 1 EV; auto ISO sensitivity control (ISO 100-6400, 100-3200, 100-800) available (user controlled in P, S, A, and M modes)
Active D-Lighting	On, off

Focus	
Autofocus	Hybrid autofocus (phase-detection/contrast-detect AF); AF-assist illuminator
Lens servo	• Autofocus (AF): Single AF (AF-S); continuous AF (AF-C); auto AF-S/AF-C selection (AF-A); full-time AF (AF-F) • Manual focus (MF)
AF-area mode	Single-point, auto-area, subject tracking
Focus area	• Single-point AF: 135 focus areas; the center 73 areas support phase-detection AF • Auto-area AF: 41 focus areas
Focus lock	Focus can be locked by pressing shutter-release button halfway (single AF)
Face priority	On, off

Flash	
Built-in flash	• Auto; Soft, Miniature effect, Selective color (Creative mode): Flash pops up automatically and fires as required • Night portrait, Backlighting (Creative mode): Flash pops up automatically and fires with every shot • P programmed auto, S shutter-priority auto, A aperture-priority auto, M manual (Creative mode): Manual pop-up
Guide Number (GN)	Approx. 5/16 (m/ft, ISO 100, 20 °C/68 °F)
Control	i-TTL flash control using image sensor
Mode	Auto, auto + red-eye reduction, fill flash, fill flash + slow sync, red-eye reduction, red-eye reduction + slow sync, rear-curtain sync, rear curtain + slow sync, off
Flash compensation	-3 to +1 EV in increments of 1/3 EV
Flash-ready indicator	Lights when built-in flash unit is fully charged

White balance	
White balance	Auto, incandescent, fluorescent, direct sunlight, flash, cloudy, shade, underwater, preset manual, all except preset manual with fine tuning

Movie	
Metering	TTL metering using image sensor
Metering method	• Matrix • Center-weighted: Meters 4.5 mm circle in center of frame • Spot: Meters 2 mm circle centered on selected focus area
Frame size (pixels) / recording rate	HD movies (aspect ratio 16 : 9) • 1,920 x 1,080/60i (59.94 fields/s*) • 1,920 x 1,080/30p (29.97 fps) • 1,280 x 720/60p (59.94 fps) • 1,280 x 720/30p (29.97 fps) Slow-motion movies (aspect ratio 8 : 3) • 640 x 240/400 fps (plays at 30p/29.97 fps) • 320 x 120/1,200 fps (plays at 30p/29.97 fps) Motion Snapshot (aspect ratio 16 : 9) • 1,280 x 720/60p (59.94 fps) (plays at 24p/23.976 fps) * Sensor output is about 60 fps.
File format	MOV
Video compression	H.264/MPEG-4 Advanced Video Coding
Audio recording format	AAC
Audio recording device	Built-in stereo microphone; sensitivity adjustable

Monitor	
Monitor	7.5 cm (3-in.), approx. 460k-dot, TFT LCD with brightness adjustment

Playback	
Playback function	Full-frame and thumbnail (4, 9, or 72 images or calendar) playback with playback zoom, movie playback, slide show, histogram display, auto image rotation, and rating option

Interface	
USB	Hi-Speed USB
HDMI output	Type C mini-pin HDMI connector

Supported languages	
Supported languages	Arabic, Bengali, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Persian, Polish, Portuguese (European and Brazilian), Romanian, Russian, Spanish, Swedish, Tamil, Thai, Turkish, Ukrainian, Vietnamese

Power source	
Battery	One rechargeable Li-ion EN-EL20 battery
AC adapter	EH-5b AC adapter; requires EP-5C power connector (available separately)

Tripod socket	
Tripod socket	1/4-in. (ISO 1222)

Dimensions/weight	
Dimensions (W x H x D)	Approx. 102.0 x 60.5 x 29.7 mm (4.0 x 2.4 x 1.2 in.), excluding projections
Weight	Approx. 240 g (8.5 oz) with battery and memory card but without body cap; approx. 197 g (6.9 oz), camera body only

Operating environment	
Temperature	0 °C-40 °C (+32 °F-104 °F)
Humidity	less than 85% (no condensation)

Supplied accessories	
Supplied accessories	BF-N1000 body cap, EN-EL20 rechargeable Li-ion battery (with terminal cover), MH-27 battery charger, AN-N1000 strap, UC-E19 USB cable, ViewNX 2/Short Movie Creator CD, User's Manual, Reference Manual CD

Note	
Note	Unless otherwise stated, all figures are for a camera with a fully-charged battery operating at the temperature specified by the Camera and Imaging Products Association (CIPA):23 ±3 °C (73.4 ±5.4 °F).

Technical specifications Nikon 1 J3

Type

Type	Digital camera with support for interchangeable lenses
Lens mount	Nikon 1 mount
Effective angle of view	Approx. 2.7x lens focal length (35 mm format equivalent)

Effective pixels

Effective pixels	14.2 million

Image sensor

Image sensor	13.2 mm x 8.8 mm CMOS sensor (Nikon CX format)

Image size

Image size (pixels)	Still images (auto, best moment capture, and all creative modes other than Easy panorama; aspect ratio 3 : 2) • 4,608 x 3,072 • 3,456 x 2,304 • 2,304 x 1,536 Still images (Normal panorama, camera panned horizontally; aspect ratio 40 : 7) • 4,800 x 920 Still images (Normal panorama, camera panned vertically; aspect ratio 8 : 25) • 1,536 x 4,800 Still images (Wide panorama, camera panned horizontally; aspect ratio 80 : 7) • 9,600 x 920 Still images (Wide panorama, camera panned vertically; aspect ratio 4 : 25) • 1,536 x 9,600 Still images (taken during movie recording, aspect ratio 3 : 2) • 4,608 x 3,072 (1,080/60i, 1,080/30p) 1,280 x 856 (720/60p, 720/30p) Still images (Motion Snapshots; aspect ratio 16 : 9) • 4,608 x 2,592
File format	• NEF (RAW): 12-bit, compressed • JPEG: JPEG-Baseline compliant with fine (approx. 1 : 4), normal (approx. 1 : 8), or basic (approx. 1 : 16) compression • NEF (RAW) + JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats
Picture Control System	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape; selected Picture Control can be modified; storage for custom Picture Controls
Media	SD (Secure Digital), SDHC, and SDXC memory cards
File system	DCF (Design Rule for Camera File System) 2.0, DPOF (Digital Print Order Format), Exif (Exchangeable Image File Format for Digital Still Cameras) 2.3, PictBridge

Shooting modes

Shooting modes	⬠ Auto, (programmed auto), ⬠C Creative, with a choice of the following options: P, S, A, M, night landscape, night portrait, backlighting, easy panorama, soft, miniature effect, and selective color, ⬒ Best Moment Capture (slow view and Smart Photo Selector), ⬚ advanced movie (HD -P, S, A, M only- and slow motion), ⬠ Motion Snapshot

Shutter

Type	Electronic shutter
Speed	1/16,000-30 s in steps of 1/3 EV; Bulb Note: Bulb ends automatically after approximately 2 minutes
Flash sync speed	Synchronizes with shutter at X=1/60 s or slower

Release

Mode	Single frame, continuous Self-timer
Frame advance rate	Approx. 5, 15, 30, or 60 fps
Self-timer	2 s, 5 s, 10 s

Exposure

Metering	TTL metering using image sensor
Metering method	• Matrix • Center-weighted: Meters 4.5 mm circle in center of frame • Spot: Meters 2 mm circle centered on selected focus area
Mode	P programmed auto with flexible program; S shutter-priority auto; A aperture-priority auto; M manual; scene auto selector
Exposure compensation	-3 to +3 EV in increments of 1/3 EV
Exposure lock	Luminosity locked at metered value when shutter-release button is pressed halfway
ISO sensitivity (Recommended Exposure Index)	ISO 160-6400 in steps of 1 EV; auto ISO sensitivity control (ISO 160-6400, 160-3200, 160-800) available (user controlled in P, S, A, and M modes)
Active D-Lighting	On, off

Focus

Autofocus	Hybrid autofocus (phase-detection/contrast-detect AF); AF-assist illuminator
Lens servo	• Autofocus (AF): Single AF (AF-S); continuous AF (AF-C); auto AF-S/AF-C selection (AF-A); full-time AF (AF-F) • Manual focus (MF)
AF-area mode	Single-point, auto-area, subject tracking
Focus area	• Single-point AF: 135 focus areas; the center 73 areas support phase-detection AF • Auto-area AF: 41 focus areas
Focus lock	Focus can be locked by pressing shutter-release button halfway (single AF)
Face priority	On, off

Flash

Built-in flash	• Auto; Soft, Miniature effect, Selective color (Creative mode): Flash pops up automatically and fires as required • Night portrait, Backlighting (Creative mode): Flash pops up automatically and fires with every shot • P programmed auto, S shutter-priority auto, A aperture-priority auto, M manual (Creative mode): Manual pop-up
Guide Number (GN)	Approx. 5/16 (m/ft, ISO 100, 20 °C/68 °F; at ISO 160, Guide Number is approx. 6.3/20.7)
Control	i-TTL flash control using image sensor
Mode	Auto, auto + red-eye reduction, fill flash, fill flash + slow sync, red-eye reduction, red-eye reduction + slow sync, rear-curtain sync, rear curtain + slow sync, off
Flash compensation	-3 to +1 EV in increments of 1/3 EV
Flash-ready indicator	Lights when built-in flash unit is fully charged

White balance

White balance	Auto, incandescent, fluorescent, direct sunlight, flash, cloudy, shade, underwater, preset manual, all except preset manual with fine tuning

Movie

Metering	TTL metering using image sensor
Metering method	• Matrix • Center-weighted: Meters 4.5 mm circle in center of frame • Spot: Meters 2 mm circle centered on selected focus area
Frame size (pixels) / recording rate	HD movies (aspect ratio 16 : 9) • 1,920 x 1,080/60i (59.94 fields/s*) • 1,920 x 1,080/30p (29.97 fps) • 1,280 x 720/60p (59.94 fps) • 1,280 x 720/30p (29.97 fps) Slow-motion movies (aspect ratio 8 : 3) • 640 x 240/400 fps (plays at 30p/29.97 fps) • 320 x 120/1,200 fps (plays at 30p/29.97 fps) Motion Snapshot (aspect ratio 16 : 9) • 1,920 x 1,080/60p (59.94 fps) (plays at 24p/23.976 fps) * Sensor output is about 60 fps.
File format	MOV
Video compression	H.264/MPEG-4 Advanced Video Coding
Audio recording format	AAC
Audio recording device	Built-in stereo microphone; sensitivity adjustable

Monitor

Monitor	7.5 cm (3-in.), approx. 921k-dot, TFT LCD with brightness adjustment

Playback

Playback function	Full-frame and thumbnail (4, 9, or 72 images or calendar) playback with playback zoom, movie and panorama playback, slide show, histogram display, auto image rotation, and rating option

Interface

USB	Hi-Speed USB
HDMI output	Type C mini-pin HDMI connector

Supported languages

Supported languages	Arabic, Bengali, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Persian, Polish, Portuguese (European and Brazilian), Romanian, Russian, Spanish, Swedish, Tamil, Thai, Turkish, Ukrainian, Vietnamese

Power source

Battery	One rechargeable Li-ion EN-EL20 battery
AC adapter	EH-5b AC adapter; requires EP-5C power connector (available separately)

Tripod socket

Tripod socket	1/4-in. (ISO 1222)

Dimensions/weight

Dimensions (W x H x D)	Approx. 101.0 x 60.5 x 28.8 mm (4.0 x 2.4 x 1.1 in.), excluding projections
Weight	Approx. 244 g (8.6 oz) with battery and memory card but without body cap; approx. 201 g (7.1 oz), camera body only

Operating environment

Temperature	0 °C-40 °C (+32 °F-104 °F)
Humidity	less than 85% (no condensation)

Supplied accessories

Supplied accessories	BF-N1000 body cap, EN-EL20 rechargeable Li-ion battery (with terminal cover), MH-27 battery charger, AN-N1000 strap, UC-E19 USB cable, ViewNX 2/Short Movie Creator CD, User's Manual, Reference Manual CD

Note

Note	Unless otherwise stated, all figures are for a camera with a fully-charged battery operating at the temperature specified by the Camera and Imaging Products Association (CIPA):23 ±3 °C (73.4 ±5.4 °F).

Nikon 1 J3 • Lens: NIKKOR 40mm f/2.8 G • Focal Length: 40mm • Focus Mode: AF-S • Aperture: f/3.2 • Shutter Speed: 1/640s •
Exposure Mode: Aperture Priority • Exposure Compensation 0EV • Metering: Matrix • ISO Sensitivity: ISO 160 • White Balance: Auto

Technical specifications 1 NIKKOR lenses

	1 NIKKOR VR 6.7–13mm f/3.5–5.6	1 NIKKOR 10mm f/2.8	1 NIKKOR VR 10–30mm f/3.5–5.6	1 NIKKOR VR 10–100mm f/4–5.6
Lens construction (groups/elements)	7/11	5/6	9/12	12/19
Angle of view	100°-63°	77°	77°-29°40'	77°-9°10'
Number of diaphragm	7 (rounded diaphragm opening)	7 (rounded diaphragm opening)	7 (rounded diaphragm opening)	7 (rounded diaphragm opening)
Minimum f-stop	16	11	16	16
Minimum focus distance	0.25m (0.82 ft)	0.2m (0.7ft)	0.2m (0.7ft)	10 mm focal length: 0.35m (1.2ft) 100 mm focal length: 0.65m (2.1ft)
Maximum reproduction ratio (35mm equivalent ratio)	0.06× (0.16×)	0.06× (0.16×)	0.21× (0.57×)	0.12× (0.33×)
Weight (g/oz.)	Approx. 125/4.5	Approx. 77/2.8	Approx. 115/4.1	Approx. 298/10.5
Dia. × length (distance from camera lens mount flange) (mm)	Approx. 56.6 × 46 when lens is retracted	Approx. 55.5 × 22	Approx. 57.5 × 42 when lens is retracted	Approx. 60.5 × 70.5 when lens is retracted
Filter-attachment size (mm)	52	40.5	40.5	55
Lens cap type	Snap-on	Snap-on	Snap-on	Snap-on
Lens hood	HB-N105 (provided)	HN-N101 (optional)	HB-N101 (optional)	HB-N106 (optional)
Lens case	CL-N101 (optional)	CL-N101 (optional)	CL-N101 (optional)	CL-N101 (optional)
Lens hood cap	–	HC-N101 (optional)	–	–

	1 NIKKOR VR 10–100m f/4.5–5.6 PD-ZOOM	1 NIKKOR 11–27.5mm f/3.5–5.6	1 NIKKOR 18.5mm f/1.8	1 NIKKOR VR 30–110mm f/3.8-5.6
Lens construction (groups/elements)	14/21	6/8, 1 protective glass	6/8	12/18
Angle of view	77°-9°10'	72° - 32° 20'	46° 40'	29°40'-8°20'
Number of diaphragm	7 (rounded diaphragm opening)	7 (rounded diaphragm opening)	7 (rounded diaphragm opening)	7 (rounded diaphragm opening)
Minimum f-stop	16	16	16	16
Minimum focus distance	10 mm focal length: 0.3m (1ft) 100 mm focal length: 0.85m (2.8ft)	0.3m (1.0ft)	0.2m (0.7ft)	1.0m (3.3ft)
Maximum reproduction ratio (35mm equivalent ratio)	0.12× (0.34×)	0.1× (0.28×)	0.12× (0.32×)	0.1× (0.28×)
Weight (g/oz.)	Approx. 530/1 lb 2.7 oz.	Approx. 83/3.0	Approx. 70/2.5	Approx. 180/6.3
Dia. × length (distance from camera lens mount flange) (mm)	Approx. 77 × 95 when lens is retracted	Approx. 57.5 × 31 when lens is retracted	Approx. 56 × 36	Approx. 60 × 61 when lens is retracted
Filter-attachment size (mm)	72	40.5	40.5	40.5
Lens cap type	Snap-on	Snap-on	Snap-on	Snap-on
Lens hood	HB-N102 (provided)	HB-N102 (optional)	HB-N104 (optional)	HB-N103 (provided)
Lens case	CL-N102 (optional)	CL-N101 (optional)	CL-N101 (optional)	CL-N101 (optional)
Lens hood cap	–	–	–	–

NOTE: Lens hood names indicate type: HN for Screw-in, HR for Rubber Screw-in, HK for Slip-on, HS for Snap-on and HB for Bayonet.
Nikon reserves the right to change the specifications of the hardware described in this leaflet at any time and without prior notice.

NOTES

1   Higher megapixel count: The Nikon 1 J3 offers a resolution of 14.2 megapixels; the Nikon 1 S1 offers a resolution of 10.1 megapixels.
2   World's shortest release time lag: Among digital cameras with interchangeable lenses available as of November 29, 2012; as determined by Nikon performance tests using single-point AF mode and the shortest focal length of a 1 NIKKOR VR 10–30mm f/3.5–5.6 lens.
3   World's smallest body: As of November 29, 2012; among digital cameras with interchangeable lenses employing an image sensor in CX format or larger.
4   The Nikon 1 J3 can shoot full-size images at approximately 60 fps for up to 20 frames, when focus mode is set to AF-S, and focus and exposure for the first frame is fixed. With autofocus tracking on, you can shoot at approximately 15 fps for up to 22 frames.
5   The Nikon 1 S1 can shoot full-size images at approximately 60 fps for up to 15 frames, when focus mode is set to AF-S, and focus and exposure for the first frame is fixed. With autofocus tracking on, you can shoot at approximately 15 fps for up to 15 frames.
6   Compatible with smart devices using Android™ OS and iOS. A Wireless Mobile Adapter Utility that can be downloaded free from Google Play™ and iTunes® must be installed on the smart device prior to use. Android, Google, Google Play, YouTube, and other marks are trademarks of Google Inc.
7   Slow View captures up to 20 images on the Nikon 1 J3, and up to 15 images on the Nikon 1 S1.
8   Smart Photo Selector takes up to 20 images on the Nikon 1 J3, and up to 15 images on the Nikon 1 S1.
9   Easy panorama is not available on the Nikon 1 S1.
10   The Nikon 1 J3 and Nikon 1 S1 shoot Full HD movies at 1920x1080/60i.
11   Capturing full-resolution photos without interrupting movie recording in Advanced Movie Mode: the Nikon 1 J3 can capture a 14.2-megapixel still image (aspect ratio 3:2). The Nikon 1 S1 can capture an 8-megapixel still image (aspect ratio 16:9). This still image is not a frame saved from the movie.
12   Recording speeds in Advanced Movie Mode: 400 fps at 640x240 frame size or 1200 fps at 320x120. Max. recording time 5s.
13   For accurate information about compatibility with F-mount NIKKOR lenses, please refer to the manual.

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Nikon 1: Meet the family

Shoot at the speed of life: Introducing the new generation, portable, interchangeable lens compact system camera. Faster, smaller, and more powerful than ever.

⚠ **WARNING**   **TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT. SOME DOCUMENTATION IS SUPPLIED ON CD-ROM ONLY.**

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