



At the heart of the image



I AM FULL OF POSSIBILITIES

85
million
NIKKOR



I AM THE NIKON TOTAL DIGITAL IMAGING SYSTEM

www.europe-nikon.com

The Nikon Total Digital Imaging System:

Let your imagination be your guide

Nikon is proud to bring you its latest incarnation of the Nikon Total Digital Imaging System, full of photographic excitement, answers and inspiration. Within these pages you will find everything you need to realize your present ideas and inspire new ones. Whether you are a seasoned professional or a passionate weekend shooter, we are confident that the contents of this brochure can help you craft better images. Every item is designed specifically to work with Nikon cameras, which means a seamless performance that truly brings out the best in you and your Nikon D-SLR. Got an idea? Make it happen. Here's where you start.



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This image was achieved via the Creative Lighting System and the photographer's imagination. Two Speedlight units that support Advanced Wireless Lighting (one in the kayak and one from above) were wirelessly triggered with a properly positioned SU-800 to send command signals to both remote units.

© Joe McNally



Why more light?

Nikon Creative Lighting System: Easily accomplish studio quality photographs virtually anywhere

It's easy to understand the need for a flash in low-light shooting scenarios, but Nikon Speedlights are also extremely helpful in daytime situations with bright sunlight and deep shadow. The additional light helps cameras capture what our eyes see so well. It's easy to forget that the human eye is a remarkable optical instrument, registering levels of contrast between highlight and shadow impossible for cameras to detect. With additional light at your command, you can fill in the shadows and reduce the contrast you see to within the range that your camera's image sensor can record. The camera's built-in flash is often suitable, but the direct, frontal light can be too harsh for fine detail, leaving some images with flat,

overexposed areas. A simple wireless, off-camera flash from the side, however, provides added depth as well as smooth, rounded tones from highlight to shadow (as shown in the center picture below). Perhaps the most powerful argument for additional light is aesthetic: one or more strategically placed Speedlights can transform the mood of your photograph in ways available light is unable to. Speedlights can quickly and easily turn taking snapshots into creating images that reflect the original meaning of the word "photography" — drawing with light. Turn wherever you are into your own personal studio. Working seamlessly and wirelessly with your Nikon D-SLR, the Nikon Creative Lighting System makes it easy.



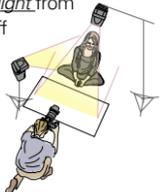
A model in shadow against a bright background photographed without Speedlight. Matrix metering. No exposure compensation. Exposure is well balanced, but the picture lacks impact.



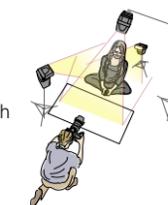
The same model photographed with one off-camera Speedlight. Notice the richer, more saturated color. The Speedlight fired from camera left in an angled position (45°) to create depth.



Adding a second Speedlight from above and bouncing it off of a reflector from below. Strong shadow from the model's neck is removed.



Opposite page: A third Speedlight is employed here from behind the model. Attached to the supplied Speedlight stand on the ground, The Speedlight's flash head is tilted 45° upward. This third light creates the shimmering light around her hair and shoulders and helps separate her from the background.





© Kathy Wolfe



© Joe McNally

See what just one Speedlight can do

Beautiful soft light bounced off a wall

"Kids have their own agenda, even while I'm shooting," says child photographer Kathy Wolfe, "one of the key principles of photographing children is speed." Wolfe has to find quality light fast or quickly create her own when needed, such as when in a low-lit room while her child models remain

cooperative. The light and remarkably portable Nikon Speedlights are always in her camera bag. How she works with the Nikon Creative Lighting System (CLS) is simple but what she gets is significant. She tilts the flash head of a hot-shoed Speedlight toward a white wall for a bounce-flash effect. This simple act can transform harsh light into a soft, smooth glow. Any large, white surface can act as an impromptu light-softening device — a simple technique that results in richer colors like those you see here. Wolfe almost always uses the i-TTL flash mode. That way the innovative Creative Lighting System calculates ideal flash exposures for her automatically, frame after frame, allowing her to concentrate on capturing the moment.

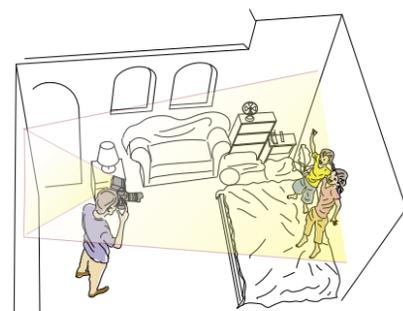


Wireless remote flash from the right side of the camera erases unwanted shadows cast on the wall by the window light from the left.

© Kathy Wolfe



The Speedlight's flash bounces off the large white wall behind the photographer, wrapping this low-lit room with soft light.



On-camera bounce

One strong light from outside a window

World-renowned photojournalist Joe McNally has some advice when taking pictures. "The most important thing is to first see the picture in your mind's eye," he says, "Everything comes naturally from there, such as where to place the camera and how to light your subject." While shooting high-school athletes in a

locker room, Joe envisioned a picture of his subject in golden, late afternoon light. To create the right environment, he positioned a camera low using a wide-angle lens. Then, he placed one Speedlight outside the window, distanced far enough to create deep shadows across the lockers. Using a Color Filter in order to warm the light appropriately and zooming the flash head to 200mm to concentrate the light on the athlete, McNally recreated the shooting situation that he'd first constructed in his imagination. The picture above looks like it was taken in the natural light of a late afternoon, but in actuality was shot using a Nikon Speedlight, helping to maintain "Golden Hour" lighting for as long as desired. With just one Speedlight, the level of nuance to explore is astounding.

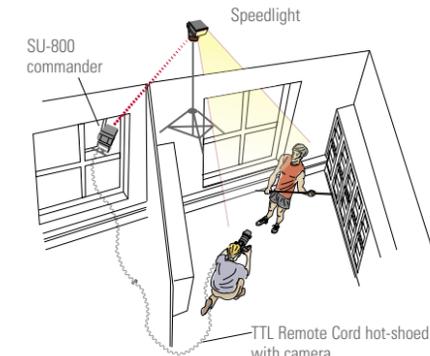


Even with a single Speedlight, countless combinations of subtlety and nuance can be explored.

© Joe McNally



Use your surroundings as a light-shaping tool: a Speedlight placed outside the window recreates warm, late afternoon light.





© Cliff Mautner



© Yves Paternoster

Magnify your potential with multiple Speedlights

Secondary flash *from behind* for a beautiful halo of light

"In order to capture important events as they happen without distractions, a wedding photographer must be flexible and unobtrusive." Helpful words from Cliff Mautner, one of the profession's most respected practitioners. How he uses the Nikon Creative Lighting System is



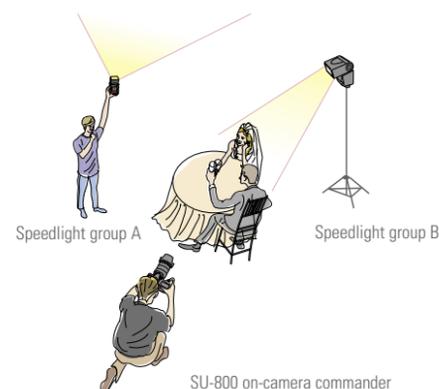
Main light from the camera's left illuminates the bride's face. A second light from behind the subject reveals details in the veil.

© Cliff Mautner

both simple and strategically effective. All he needed to create texture, dimension and mood in the image above was an off-camera flash fired from the left side of the frame. Wireless control and i-TTL make it easy. To get soft light in situations where reflectors or a white ceiling are not an option, Cliff tilts the flash head 90 degrees upward — or even backward — to "feather" the light, softening a harsh flash to fit the scene beautifully. This way he adds just the right amount of light to show the clear ridge of the bride's profile in the picture above. To open up the shadows in the bride's veil, he introduces a second light from behind. This is set in a different group than the main flash, which means that he can turn it on and off from his camera seamlessly, and without disturbing his subject.



One remote unit is handheld by a photographer's assistant at an angled position, creating texture and dimension.



Small, precise lighting *around the subject* to reveal detail

"I am addicted to light. It never stops surprising me," says still life photographer Yves Paternoster, "It truly is a game of inches, changing the look and mood of my pictures depending on where I place it." As a studio shooter, Paternoster likes to take the kind of light you find outdoors and use it inside a studio environment, replicating natural light by creative use of flashes. The R1C1 Close-up Speedlight Commander Kit does this and more. "It makes me creatively brave," he says, adding "Well, I feel that



© Yves Paternoster

it can make anyone creatively brave." The SB-R200 flash units that work with

Taken with one Speedlight

the SU-800 are small and wireless, so photographers like Paternoster can play around with light freely by handholding the unit in different positions to get exactly the effect they want. Although he was satisfied with a particular flower picture taken with a single flash unit, he decided to explore different possibilities by introducing a second light source. What he did was simple, but what he achieved was a powerful new alternative shot, as you can see above. While intuitive control is a big advantage of the system, the ability to control light precisely — as required in normal studio lighting — is of great importance. As you can see from the picture on the right, the R1C1 plus three additional SB-R200 units let you illuminate exactly where you want on very small objects. The system is like a portable pocket-sized studio, but the

level of precision can still amaze even seasoned studio photographers.



Playing with light: here, in addition to the small SB-R200 above, another SB-R200 is handheld to illuminate the flowers from below.



© Yves Paternoster

Many features, unlimited possibilities



i-TTL balanced fill flash
© Joe McNally

i-TTL balanced fill-flash

Just the right amount of light for well-balanced foreground and background exposure

Incredibly useful in varied or unpredictable lighting, the innovative i-TTL system delivers consistently accurate flash exposures automatically. Whenever your Nikon digital SLR is set to either 3D color matrix metering II/III or center-weighted metering, your Speedlight automatically reads i-TTL to deliver balanced fill-flash. In this mode, a monitor pre-flash fires microseconds before the actual flash, accurately informing the Speedlight on the latest scene information. Even for difficult scenes such as backlit subjects, the flash comes through with well-balanced exposures across the frame and avoids overexposing the subject.



The same scene taken without flash



Auto FP high-speed sync for shallow depth-of-field
© Kathy Wolfe

Auto FP high-speed sync

Shallow depth-of-field for portraits in bright conditions

When shooting a portrait under harsh lighting such as the noonday sun, the lighting conditions may force you to use f/11 or an even smaller aperture, which may not render the portrait you're looking for. Auto FP high-speed sync lets you move past your camera's normal sync speed of around 1/200 or 1/250 second to shoot at much faster shutter speeds — as high as your camera is capable of — enabling the use of larger apertures such as f/2.8 for a beautifully shallow focal plane, which looks great in portraits. High-speed sync also works when stopping action at high noon.



Normal sync for deep depth-of-field



Flash output remains the same with FV lock activated
© Joe McNally

Flash Value (FV) lock

Maintain flash exposure in constantly changing lighting conditions

The FV lock helps you maintain the same flash value for correct exposures during a sequence of photographs. This allows you to zoom in on your subject, change the composition or adjust the aperture, all without altering your intended exposure. The pictures here were taken using FV lock. Notice how the flash output value remains the same, even when a highly reflective surface (of the train) enters the frame. This way you can concentrate on capturing your subject without worrying about adjusting your subject's lighting.



Rear-curtain sync to fire flash at the end of the exposure
© Joe McNally

Rear-curtain sync

Create a sense of motion with intended blur

When using rear-curtain sync mode, a flash fires at the very end of an exposure instead of at the beginning. When you are shooting at 1/30 second or slower, the image sensor soaks up the available light. Then right before the shutter closes, the flash fires to illuminate the main subject. As the name Speedlight implies, the flash fires very quickly, freezing the action of your main subject. Apply this to a moving subject, and the effect is eye-catching, giving the viewer a sense of movement through the combination of sharp features and intended blur.



Slow sync
© Joe McNally

Slow sync

Capture the ambient light with a slow shutter speed

When shooting a dimly lit scene with available light, a fast normal sync speed such as 1/250 second will expose your main subject but cannot properly expose the surroundings. If you use a shutter speed of 1/30 second or slower in any of the camera's exposure modes, the ambient illumination will be more naturally balanced.



Normal sync

Speedlight and high ISO combination

Add a touch of quality light to your quantity of light

While many shooters praise the incredible power of Nikon's high ISO performance, it is worth noting the important difference between quality of light and quantity of light. While a high ISO can increase your shooting power in situations with a low quantity of light, high ISO alone cannot improve the quality of light. This is a job for Nikon Speedlights. A simple flash can open up the shadows across a model's skin and draw our attention to her face as the photographer intended. A Speedlight working together with high ISO also allows you to illuminate faraway subjects with straight or bounce flash.



Flash fill-in and high ISO (1600) used together
© Joe McNally



High ISO without using flash

The Nikon Creative Lighting System

The Speedlight Lineup



SB-910

Nikon's top-of-the-line Speedlight enables photographers to be more imaginative with their creative lighting

for D4 series, D3 series, Df, D810, D800 series, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D5000, D3300, D3200, D3100, D3000, COOLPIX A/P7800

- Fully compatible with Nikon Creative Lighting System
- Three illumination patterns (standard/even/center-weighted), with increased light distribution accuracy, are available to match every shooting environment
- Automatically detects Nikon FX and Nikon DX formats and selects suitable light distribution angles
- Power zoom function covers wide 17-200 mm (in FX format) zoom range
- AF-assist illumination, compatible with multi-point AF system, covers wide 17-135 mm focal length range
- New MENU button enables quick access to custom settings, while improved LCD panel GUI (graphical user interface) enhances operability
- Durable and heat-resistant, easy-to-use, hard-type color filters (fluorescent or incandescent) included
- Automatically detects color filter types and transmits filter information to camera for optimum white balance setting
- Guide number of 34 at 35 mm or 53 at 200 mm (FX format, standard illumination pattern, ISO 100, m, 20°C)
- Minimum recycling time: approx. 2.3 seconds with Ni-MH batteries
- Automatically detects increases in flash head temperature and controls recycling time accordingly, thus preventing overheating
- Compatible with SD-9 High-Performance Battery Pack



SB-700

High-performance versatile Speedlight brings simplicity to on-camera, remote and multiple flash photography

for D4 series, D3 series, Df, D810, D800 series, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D5000, D3300, D3200, D3100, D3000, COOLPIX A/P7800

- Functions as a master or remote flash unit in Advanced Wireless Lighting
- Controls an unlimited number of Speedlights for up to two groups
- Offers four independent channels of wireless control up to 10 m for competitive shooting environments
- Quick wireless control mode allows control of flash output for two remote flash unit groups
- LCD and layout of controls designed for easy and intuitive operation
- Power zoom covers wide 24-120 mm zoom range (Manual also available)
- Three illumination patterns (standard/even/center-weighted) are available
- Automatically detects Nikon FX and DX formats for suitable light distribution
- AF-assist illumination, compatible with multi-point AF system, covers wide 24-135 mm focal length range
- Automatically detects type of hard-type color filters (fluorescent/incandescent) and adjusts camera's white balance
- User-applied firmware update function via Nikon D-SLR cameras
- Short recycling time
- Automatically detects increases in flash head temperature and controls recycling time accordingly, thus preventing overheating



SB-500

Versatile Speedlight with high mobility and flexibility

for D4 series, D3 series, Df, D810, D800 series, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D5000, D3300, D3200, D3100, D3000, COOLPIX A/P7800

- Compatible with Advanced Wireless Lighting
- Flash head tilts up to 90° and rotates horizontally 180° to the left and right
- Guide number of 24 at 24 mm (FX format, ISO 100, m)
- High-performance LED light (approx. 100 lx) is incorporated
 - Particularly convenient for movie recording and close-up still shooting
 - Output level selectable in three steps (Low, Mid, High)
 - Illumination with surface light source utilizing a diffuser for soft lighting
 - With the color temperature of 5400K, natural auxiliary light is ensured
 - Color information communication function automatically sets the optimal white balance when attached to the D810 or D750
 - Superior color rendering performance for faithful reproduction of subject's color
- Compact and lightweight design for superb portability
- Easy-to-understand switch operation
- Compatible with readily available R6/AA-size batteries



SB-300

Compact and lightweight Speedlight with bounce flash capability

for D4 series, D3 series, Df, D810, D800 series, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D5000, D3300, D3200, D3100, D3000, COOLPIX A/P7800

- Compact and lightweight design for great portability
- Easy operation even for novices
- Flash head can be set up to 120° upward for beautiful indoor portrait
- Compatible with readily available AAA-size batteries



D4S+SB-910



D750+SB-500

© Ray Demski

R1C1/R1 Close-up Speedlight Kit

The ultimate Speedlight system for creative, wireless close-up photography

R1C1: Close-up Speedlight Commander Kit (SU-800, two SB-R200s and all the accessories)

R1: Close-up Speedlight Remote Kit (Two SB-R200s and all the accessories)

R1C1

- Up to three remote groups and four channels using SU-800 as a commander and SB-R200s as remote units can be arranged to enable creative lighting from the left, right, above or below your subject
- Settings are easily made and confirmed on the SU-800's LCD panel from the camera's position
- SB-R200 units can be tilted up to 60 degrees to accommodate lenses with short working distances

* There are limitations to usable lenses.



SB-R200

Wireless Remote Speedlight

Also available as a separate unit

for D4 series, D3 series, Df, D810, D800 series, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D5000, D3300, D3200, D3100, D3000, COOLPIX P7800

Two SB-R200 units are included with both the R1C1 and the R1. Each unit features a guide number of 10 (ISO 100, m) or 14 (ISO 200, m). When attached to a lens via the SX-1, the flash head can be tilted up to 60 degrees toward the optical axis of the lens or up to 45 degrees away.



SU-800

Wireless Speedlight Commander

Also available as a separate unit

for D4 series, D3 series, Df, D810, D800 series, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D5000, D3300, D3200, D3100, D3000, COOLPIX P7800

Placed atop your Nikon D-SLR's hot shoe, the SU-800 acts as a commander for as many Speedlights as you desire.

SX-1 Attachment Ring

Can hold up to four SB-R200 units on the lens or up to eight off camera.

SW-11 Extreme Close-up Positioning Adapter

For centering the light from the SB-R200 flash to an optical axis, which is especially effective in close-up shooting. Recommended for shooting distances within 15 cm (lens to subject).

SW-12 Diffuser

This milky-white panel diffuses light from a flash and softens shadows.

SW-C1 Flexible Arm Clip

Allows attachment of items such as a diffuser. Can be attached to the guide groove of the SX-1 Attachment Ring.

R1C1/R1 Accessories



Flash Accessories



SC-28/SC-29 TTL Remote Cord (1.5 m)

The SC-28/SC-29 makes off-camera TTL flash control easy and assured. With the Nikon D-SLRs, the SC-29 also works as an external AF-assist illuminator.



AS-15 Sync Terminal Adapter

The AS-15 is compatible with cameras such as the D7100, D7000, D5200, D5100, D5000, D3200, D3100 and D3000, which feature standard ISO-type accessory shoe but lack a sync terminal for large studio strobes.



SD-9 High-Performance Battery Pack

The SD-9 is an external power source for the SB-910 Speedlight. It can hold up to two sets of four R6/AA-size batteries, ensuring a stable power supply for the SB-910, greatly increasing the number of flashes, and reducing recycling time.

Speedlight Compatibility

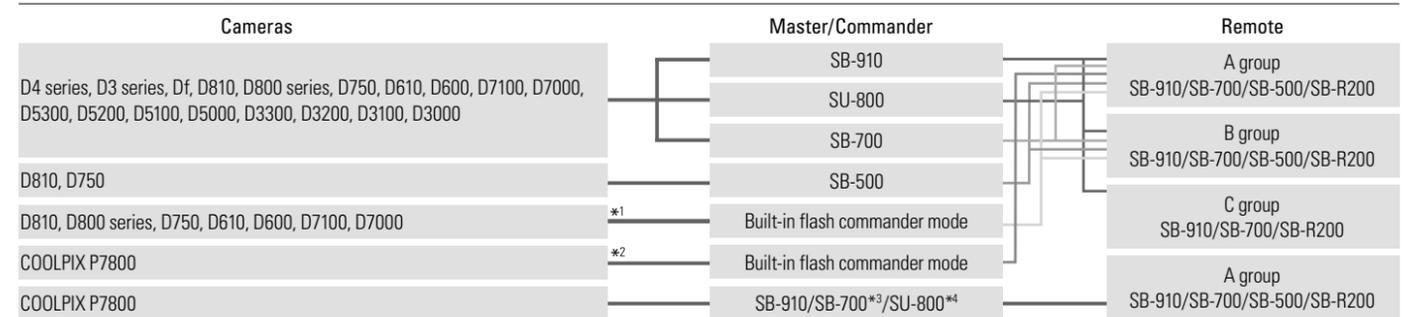
Speedlight/Features compatibility

	SB-910	SB-700	SB-500	SB-300	SB-R200
i-TTL balanced fill-flash	●	●	●	●	●*2
Advanced Wireless Lighting	●	●	●	●	●*2
Auto FP high-speed sync*1	●	●	●	●	●*2
FV lock*1	●	●	●	●	●*2
AF-assist illumination for multi-point AF	●	●	●	●	●
Flash Color Information Communication	●	●	●	●	●
Switching illumination patterns	●	●	●	●	●
FX/DX selection	●	●	●	●	●
Firmware update capability	●	●	●	●	●
LED light	●	●	●	●	●

*1 Not available with D5300, D5200, D5100, D5000, D3300, D3200, D3100, D3000 and COOLPIX P7800.

*2 Activated by the commander function of SB-910, SB-700, SB-500, SU-800, D810, D800 series, D750, D610, D600, D7100 and D7000.

Advanced Wireless Lighting System compatibility



*1 In commander mode, these cameras can be set to A group, B group or channel 1 to 4. *2 Can be set only to A group or channel 3 in commander mode. Built-in flash does not fire in this mode.

*3 Quick wireless control mode cannot be used. *4 Close-up function cannot be used.

• Only SB-910, SB-700 or SB-500 enables firing as a master flash (also works as a commander without firing). • The maximum number of remote units for each group should be three.

Specifications

	SB-910	SB-700	SB-500	SB-300
Guide number (ISO 100, m, 20°C)	34 (at 35 mm zoom head position, in FX format, standard illumination pattern)	28 (at 35 mm zoom head position, in FX format, standard illumination pattern)	24 (23°C)	18
Angle of illumination (in FX format)	Power zoom 17-200 mm; 12 mm with built-in wide-flash adapter	Power zoom 24-120 mm; 12 mm with built-in wide-flash adapter	24 mm	27 mm
Illumination pattern	3 illumination patterns (standard/even/center-weighted)	3 illumination patterns (standard/even/center-weighted)	---	---
Flash mode	i-TTL, Auto aperture, Non-TTL auto, Distance-priority manual, Manual, Repeating flash	i-TTL, Distance-priority manual, Manual, Repeating flash*	i-TTL, Manual	i-TTL, Manual
Minimum recycling time (manual at full)	Approx. 2.3 seconds (with Ni-MH batteries)	Approx. 2.5 seconds (with Ni-MH batteries)	Approx. 3.5 seconds (with Ni-MH batteries)	Approx. 3.5 seconds (with Ni-MH batteries)
Number of flashes (manual at full)	Approx. 110 (with alkaline batteries)	Approx. 160 (with alkaline batteries)	Approx. 100 (with alkaline batteries)	Approx. 70 (with alkaline batteries)
Power source	Four R6/AA-size batteries	Four R6/AA-size batteries	Two R6/AA-size batteries	Two AAA-size batteries
Dimensions (W x H x D)	Approx. 78.5 x 145.0 x 113.0 mm	Approx. 71.0 x 126.0 x 104.5 mm	Approx. 67 x 114.5 x 70.8 mm	Approx. 57.4 x 65.4 x 62.3 mm
Weight (without batteries)	Approx. 420 g	Approx. 360 g	Approx. 226 g	Approx. 97 g

*When used as a remote unit

SU-800 Wireless Speedlight Commander specifications

- Transmission mode:** Infrared-pulse emitting communication using a flash discharge tube
- Transmission range:** Approx. 20 m for the SB-910/SB-700 and approx. 4 m for the SB-R200 at normal setting
- Number of channels:** 4
- Number of groups:** 3
- Number of transmissions:** Approx. 1,200
- Transmission interval:** Approx. 1 second
- Flash light wavelengths:** Approx. 800 to 1,000 nm (infrared ray)
- Flash coverage:** Approx. 60° (vertical), approx. 78° (horizontal)
- Display:** LCD, ready-light
- AF-assist illumination for multi-point AF:** Approx. 10 m at center area using a 50mm f/1.8 lens
- Power source:** One 3V CR123A lithium battery
- Dimensions (W x H x D):** Approx. 68 x 96 x 58 mm
- Weight (without battery):** Approx. 160 g

SB-R200 Wireless Remote Speedlight specifications

- Electronic construction:** Automatic Insulated Gate Bipolar Transistor (IGBT) and series circuitry (for wireless remote flash unit only)
- Guide number:** 10 (ISO 100, m), 14 (ISO 200, m)
- Angle of coverage:** 24 mm
- Flash mode:** i-TTL; D-TTL; M (Manual); full to 1/64 output (close-up), full to 1/128 output (commander)
- Min. recycling time:** Approx. 6.0 seconds (Manual at full)
- Number of flashes:** Approx. 290 (Manual at full)
- Flash head tilt angle:** Down to 60°, or up to 45°
- Mounting foot:** Dedicated shoe for SX-1 Attachment Ring or AS-20 Speedlight Stand
- Target light:** White LED
- Display:** Ready-light
- Power source:** One 3V CR123A lithium battery
- Dimensions (W x H x D):** Approx. 80 x 75 x 55 mm
- Weight (without battery):** Approx. 120 g

Multi-Power Battery Pack + Added Reliability

More power and speed when you need it



MB-D16 Multi-Power Battery Pack

for D750

Runs on one EN-EL15 or eight R6/AA-size alkaline/Ni-MH/lithium batteries. The EH-5b AC Adapter with EP-5B Power Connector is also an option for longer use. Featuring magnesium alloy for its exterior, it incorporates intuitive controls for vertical shooting: AE-L/AF-L button, main/sub command dials, shutter-release button and multi selector.



MB-D12 Multi-Power Battery Pack

for D810, D800 series

Runs on one EN-EL15, one EN-EL18 (BL-5 Battery Chamber Cover required) or eight R6/AA-size alkaline/Ni-MH/lithium batteries. Using with EH-5b and EP-5B ensures longer-period shooting. Features shutter-release button, AF-ON button, multi selector, and two command dials for vertical shooting. The same integral magnesium alloy construction and weather sealing as the camera body itself are utilized.

MB-D15 Multi-Power Battery Pack

for D7100

Runs on one EN-EL15, six R6/AA-size alkaline/Ni-MH/lithium batteries or EH-5b AC Adapter. Handy controls for vertical shooting are employed. Features rugged magnesium alloy construction and weather sealing.



MB-D11 Multi-Power Battery Pack

for D7000

Runs on one EN-EL15, six R6/AA-size alkaline/Ni-MH/lithium batteries or EH-5b AC Adapter to provide added stability with extended shooting potential. Magnesium alloy employed for exterior cover durability.

MB-D14 Multi-Power Battery Pack

for D610, D600

Runs on one EN-EL15, six R6/AA-size alkaline/Ni-MH/lithium batteries or EH-5b AC Adapter. Various controls for vertical shooting are incorporated. Magnesium alloy is used for the exterior.



EN-EL18 Rechargeable Li-ion Battery

for D4 series



EN-EL18a Rechargeable Li-ion Battery

for D4 series



EN-EL15 Rechargeable Li-ion Battery

for D810, D800 series, D750, D610, D600, D7100, D7000, Nikon 1 V1



EN-EL14/14a Rechargeable Li-ion Battery

for Df, D5300, D5200, D5100, D3300, D3200, D3100, COOLPIX P7800



EN-EL4a Rechargeable Li-ion Battery

for D3 series



MH-21 Quick Charger

for D3 series



MH-22 Quick Charger

These rechargeable batteries provide extended life and consistent power, even in colder conditions. Used together with your Nikon D-SLR or Nikon 1 series camera, the camera's "fuel gauge" accurately displays the remaining charge and number of shots since the last charging. The EN-EL4a and EN-EL18 even give notice when calibration is necessary. The EN-EL18 in particular provides superior performance at low temperatures.

Enables charging of EN-EL4a Rechargeable Li-ion Battery.



MH-26a Battery Charger

for D4 series, D3 series

Enables charging of two EN-EL18/EL18a batteries. When using BT-A10 Adapter, EN-EL4a can also be charged.



MH-25 Battery Charger

for D810, D800 series, D750, D610, D600, D7100, D7000, Nikon 1 V1

Enables charging of EN-EL15 Rechargeable Li-ion Battery.



MH-25a Battery Charger

for D810, D800 series, D750, D610, D600, D7100, D7000, Nikon 1 V1

Enables charging of EN-EL15 Rechargeable Li-ion Battery.



MH-24 Battery Charger

for Df, D5300, 5200, D5100, D3300, D3200, D3100, COOLPIX P7800

Enables charging of EN-EL14/EL14a Rechargeable Li-ion Battery.



EH-5b AC Adapter

for Df, D800 series, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D5000, D3300, D3200, D3100, D3000, COOLPIX A/P7800, Nikon 1 series

Provide AC power to the camera for uninterrupted operation. When connecting the EH-5b to the camera, EP-5 Power Connector (for D5000, D3000), EP-5A (for Df, D5300, D5200, D5100, D3300, D3200, D3100, COOLPIX P7800), EP-5B (for D810, D800 series, D750, D610, D600, D7100, D7000, Nikon 1 V1), EP-5C (for Nikon 1 J3/J2/J1/S1/AW1/V3, COOLPIX A), EP-5D (for Nikon 1 V2) or EP-5E (for Nikon 1 J4/S2) is required. EP-6 Power Connector is required when connecting the EH-6b to the D4 series.



EH-6b AC Adapter

for D4 series, D3 series

GP-1A + Your Location

Record your images' latitude, longitude, altitude and time information



MC-35 GPS Adapter Cord

for D4 series, D3 series, D810, D800 series



GP-1A GPS Unit

for D4 series, D3 series, Df, D810, D800 series, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D5000, D3300, D3200, D3100, COOLPIX A/P7800

To be connected to NMEA-0183 protocol-compatible GPS (Global Positioning System) units such as GARMIN™ and MAGELLAN™ for recording GPS positioning information and time signals synchronous to UTC (Universal Coordinated Time) within image data files during shooting.

With the GP-1A connected to a camera that supports GPS, you can record location information such as latitude, longitude, altitude and UTC (Universal Coordinated Time) onto each image's EXIF data. The unit can be mounted on the camera's accessory shoe or the camera strap.

Wireless Transmission Accessories + Enhanced Efficiency

Higher workflow speed and new photographic enjoyment



WT-5A/B/C/D* Wireless Transmitter

for D4 series

The WT-5A/B/C/D enables image data transfer via wireless LAN to a computer or FTP server. It supports IEEE 802.11n (1x1 HT40: max. 150 Mbps) in addition to IEEE 802.11a/b/g, enabling data transfer substantially faster than that of the WT-4A/B/C/D/E. The D4-series camera's "HTTP server" mode can be used to view and take pictures remotely using a browser-equipped computer or iPhone. "Synchronized release" mode enables release of up to 10 remote cameras and WT-5A/B/C/D combinations from one master camera. When used with the UT-1 Communication Unit, transfer functions are achieved via wireless LAN with D810, D800 series, D750, D7100 and D7000.

WT-4A/B/C/D/E* Wireless Transmitter

for D4 series, D3 series, D800 series, D7000

The WT-4A/B/C/D/E supports wireless LAN conforming to IEEE 802.11b/g, IEEE 802.11a, and wired LAN conforming to IEEE 802.3u (100BASE-TX) and IEEE 802.3 (10BASE-T). Transmission range when wireless LAN is used is approx. 180 m (IEEE 802.11b/g) or 260 m (IEEE 802.11a). Thumbnail Select mode permits thumbnail display of images taken with up to five wirelessly connected cameras on a computer display. Images selected by confirming the thumbnail can be downloaded and saved on the computer.

UT-1 Communication Unit

for D4 series, D810, D800 series, D750, D7100, D7000, COOLPIX S800c

When the UT-1 is mounted on the camera's accessory shoe and connected to the camera with a USB cable, it enables high-speed transfer of image data from the camera to a PC and FTP server via wired LAN, and remote control of camera operation from a PC^{*1}. Furthermore, it can be used over wireless LAN^{*2} when the unit is used in combination with the WT-5A/B/C/D Wireless Transmitter^{*3}.

*1 Camera Control Pro 2 (optional) is required.

*2 Based on IEEE802.11a/b/g/n.

*3 HTTP server mode and Synchronized release mode are available only with the D4 series.



WU-1a/WU-1b Wireless Mobile Adapter

WU-1a for Df, D7100, D5200, D3300, D3200, COOLPIX A/P7800/P520/P330
WU-1b for D610, D600, Nikon 1 J3/V2/S1/AW1^{*1}

Images taken with the camera can be transmitted wirelessly to a Wi-Fi equipped smart device^{*2} such as smartphone or tablet. You can easily share images via social networking services (SNS), or attach them to emails. Also, its remote shooting function enables release of the camera's shutter using a smart device as a live view display, allowing a flexible shooting angle. Compatible OSs: iOS and Android™ OS.

*1 When attached to Nikon 1 AW1, WU-1b is not waterproofed or shockproof.

*2 Wireless Mobile Utility that can be downloaded from the Google Play Store is required.

• Google, Android and Google Play are registered trademarks or trademarks of Google Inc.

Wireless Remote Controllers

Further enhanced convenience using radio transmission



WR-R10/WR-T10 Wireless Remote Controllers

for D4 series, D3 series, Df, D810, D800 series, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D5000, D3300, D3200, D3100, COOLPIX A/P7800

WR-R10/WR-T10 Wireless Remote Controllers expand the flexibility of remote control. Unlike remote controls using infrared light, it is possible to release the shutter even if there are obstacles such as a tree in the way. The communication distance for a combination of the WR-R10 with WR-T10 is approx. 20 m^{*1} and WR-R10 with WR-R10 is approx. 50 m^{*1}. You can control a single or multiple cameras with the WR-R10 attached using the WR-T10 as a transmitter^{*2}. With the WR-R10/WR-T10, you can enjoy a variety of shooting, such as attaching different lenses to the cameras, changing angles for each camera, or shooting still images and movies^{*3} simultaneously by switching channels.

WR-A10 Wireless Remote Adapter is required for attaching WR-R10 to an SLR camera with a ten-pin remote terminal.

*1 Approximate range at height of about 1.2 m; varies with weather conditions and presence or absence of obstacles.

*2 WR-T10 and WR-R10(s) have to be set to the same channel and paired in advance to achieve simultaneous release.

*3 Movie recording is possible with the D4 series, D810, D800 series, D750, D610, D600, D7100, D5300, D5200 and D3300.



WR-1 Wireless Remote Controller

for D4 series, D3 series, Df, D810, D800 series, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D5000, D3300, D3200, D3100, COOLPIX A/P7800

The WR-1 can be attached to cameras with a ten-pin remote terminal or accessory terminal^{*1}. This high-performance remote controller made it possible to release the shutter of the cameras with WR-1^{*1} or WR-R10^{*2} remotely from WR-1 or a master camera with WR-1/WR-T10. Utilizing radio waves, the communication range between WR-1 units is up to 120 m^{*3}. By using WR-1, there are various remote shooting options, such as simultaneous release of shutters on several cameras, release of shutters on several cameras synchronized with a master camera that has a WR-1 attached^{*4}, remote control of each group of camera separately, and Interval Timer Photography. Remote shooting with a combination of WR-R10/WR-T10^{*2} is available. When WR-1 is configured as a transmitter and another WR-1 or WR-R10^{*5} as a receiver, which is attached to the D4S, D4^{*6}, D810, D800 series^{*6}, Df, D750 or D7100, it is possible to view or change the camera settings using the display of the transmitter WR-1.

*1 WR-1 cannot be used by itself.

*2 This requires pairing the WR-1, WR-R10 and WR-T10 units in use. Maximum number of controllers that can be paired: 20 (WR-1) or 64 (WR-R10).

*3 Approximate range at height of about 1.2 m; varies with weather conditions and presence or absence of obstacles.

*4 Only a camera with a ten-pin remote terminal can be employed as a master camera in Synchronized Release. A camera with accessory terminal cannot be a master camera.

*5 Firmware of WR-R10 should be updated to version 2.0.0 or a later version.

*6 Firmware of camera should be updated to the latest version.



MC-38

Cable for cameras with accessory terminal

for Df, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D5000, D3300, D3200, D3100, COOLPIX A/P7800



MC-37

Cable for cameras with ten-pin remote terminal

for D4 series, D3 series, D810, D800 series

Viewing Attachment + Your Perspective

View with clarity and comfort



DR-5/DR-6
Right-Angle Viewing Attachment

DR-5: for D4 series, D3 series, Df, D810, D800 series
DR-6: for D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D3300, D3200, D3100, D3000

Provides an upright, un-reversed image for right-angle viewing. Excellent for copy stand work or when taking pictures close to the ground or around a corner. Individual eyesight adjustments are possible. The DR-5/DR-6 allows you to set the reproduction ratio to either 1:1 or 1:2.



DG-2 Eyepiece Magnifier

for D4 series, D3 series, Df, D810, D800 series, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D3300, D3200, D3100, D3000

The DG-2 provides 2x magnification of the central area of the finder image. Eyesight adjustment provided. Useful for critical focusing in close-up photography. Requires an eyepiece adapter.



DK-18 Eyepiece Adapter

for D4 series, D3 series, D810, D800 series

Enables attachment of DG-2 Eyepiece Magnifier to the camera's eyepiece. The DK-18 is for cameras with a circular eyepiece. The DK-22 is for cameras with a rectangular eyepiece.



DK-22 Eyepiece Adapter

for D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D3300, D3200, D3100, D3000



DK-17M Magnifying Eyepiece

for D4 series, D3 series, Df, D810, D800 series

Attached to a camera, the DK-17M magnifies the finder image approx. 1.2x. Diopter adjustment range is widened at both the (+) and (-) sides.



DK-21M Magnifying Eyepiece

for D750, D610, D600, D7100, D7000

The DK-21M magnifies the finder image by approx. 1.17x.



DK-20C Eyepiece Correction Lenses (-5 to +3 m⁻¹)

for D750, D610, D600 D7100, D7000, D5300, D5200, D5100, D5000, D3300, D3200, D3100, D3000

An easy-to-use viewing and focusing aid which allows near and farsighted photographers to view the finder image accurately without wearing eyeglasses.



DK-17C Eyepiece Correction Lenses

for D4 series, D3 series, Df, D810, D800 series

Five correction lenses from -3 to +2 m⁻¹ for circular-eyepiece cameras.



DK-17A Antifog Finder Eyepiece

for D4 series, D3 series, Df, D810, D800 series

A transparent plastic optical element with a special surface coating to reduce fogging.



DK-19 Rubber Eyecup

for D4 series, D3 series, Df, D810, D800 series

Improves viewing comfort and prevents stray light from entering the viewfinder and diminishing contrast.



DK-20 Rubber Eyecup

for D5200, D5100, D3200, D3100, D3000



DK-21 Rubber Eyecup

for D750, D610, D600, D7000



DK-23 Rubber Eyecup

for D7100



DK-25 Rubber Eyecup

for D5300, D3300

Remote Cord + Long Exposure

Getting the most out of steady tripod shooting



MC-36/36A Remote Cord (0.85 m)

for D4 series, D3 series, D810, D800 series

Enables remote firing of a camera, and setting of interval timer and long time exposure. Incorporates an illuminated LCD panel.



MC-30/30A Remote Cord (0.8 m)

for D4 series, D3 series, D810, D800 series

Allows remote firing of a camera with trigger-lock function by keeping the shutter release button depressed — useful for bulb shooting.



MC-22/22A Remote Cord (1 m)

for D4 series, D3 series, D810, D800 series

Useful for making connections to a shutter-triggering device, such as those activated by an infrared sensor to take pictures of wildlife after dark.



MC-21/21A Extension Cord (3 m)

for D4 series, D3 series, D810, D800 series

For use with MC-22/22A/23/23A/25/25A/30/30A/36/36A or ML-3.



MC-23/23A Connecting Cord (0.4 m)

for D4 series, D3 series, D810, D800 series

Connects two cameras for simultaneous or synchronized shutter release.



ML-3 Modulite Remote Control Set

for D4 series, D3 series, D810, D800 series

The ML-3 offers remote control of two separate channels via an infrared LED beam to enable automatic camera operation from a distance of up to 8 m. Features include auto-triggering and delayed shutter release, as well as single and continuous shooting.



MC-25/25A Adapter Cord (0.2 m)

for D4 series, D3 series, D810, D800 series

Enables use of two-pin remote accessories: MC-4A Remote Cord, MC-12B Remote Cord, and MR-3 Terminal Release.



MC-DC2 Remote Cord (1 m)

for Df, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D5000, D3300, D3200, D3100, COOLPIX A/P7800, GP-1A

Enables remote firing.



ML-L3 Remote Control

for D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D5000, D3300, D3200, D3000, COOLPIX A/P7800, Nikon 1 J1/J2/J3/V1/V2/V3

Enables wireless remote shutter release.

Other Accessories

Close-up Accessories



PS-6 Slide Copying Adapter

Used with the PB-6 and a NIKKOR lens to make duplicate slides. Cropping of the original slide is possible.



PB-6M Macro Copy Stand

Attaches to the end of the PB-6 to convert it into a smaller stand ideal for copying documents or for use in scientific and medical specimen photography.



BR-2A* Macro Adapter Ring

Enables reverse-mounting of lenses. The BR-2A also increases the working distance for normal or wide-angle lenses. Compatible with lenses having a 52 mm-sized front attachment.



BR-3* Adapter Ring

A handy adapter that converts the bayonet mount of reverse mounted lenses to the 52 mm thread used for filters and hoods.



PK-11A



PK-12



PK-13

PK-11A*/PK-12*/PK-13* Auto Extension Rings

Use one or multiple extension rings for further creative capabilities. An AI NIKKOR will retain automatic diaphragm and meter coupling functions, letting you compose, focus and meter at a wide-open apertures. The rings can also be used for manual exposure control (Exposure meter does not work with cameras that do not have an exposure meter coupling lever).

* G-type lenses cannot be used.

Filters

Neutral Color NC Filters

These filters serve as lens protectors and do not affect color balance. Multilayer coating diminishes internal reflections and improves color rendition. Available in sizes 52/58/62/67/72/77 mm.

Circular Polarizing Filters II

These filters enable shooting through glass windows and minimize glare from reflective surfaces such as water and glass. They also enhance the appearance of blue skies. Compatible with both color and monochrome photography. Available in sizes 52/58/62/67/72/77 mm.

Soft Focus Filters

Give your images a moderately soft and beautiful blur effect. Good for various shooting situations, such as portrait. Available in sizes 52/62/67/72/77 mm.

Slip-in Circular Polarizing Filters

Designed for use with telephoto lenses that provide a slip-in filter holder, these filters reduce glare from non-metallic surfaces such as glass and water. Simply turn the rotating ring on the holder to find the most effective position. These filters do not affect autofocus or auto exposure operation. Both the C-PL1L and C-PL3L feature a diameter of 52 mm.

AF-3/AF-4 Gelatin Filter Holders

These holders accommodate gelatin or glass filters to a thickness of approx. 2 mm. The AF-3 is used with 3-inch square gelatin filters and NIKKOR lenses having an attachment size of 52/62/67/72/77 mm. The AF-4 is used with 4-inch square gelatin filters and NIKKOR lenses having an attachment size of 52/62/67/72/77/82/95 mm. Nikon also offers two dedicated hood options — the HN-36 for the AF-3 and the HN-37 for the AF-4. Several hoods of the same diameter can be stacked, depending on the focal length of the lens in use.



AF-3

AF-4

Interchangeable Focusing Screens



Type B

for D3 series

Offers unobstructed viewing and easy focusing over the entire matte surface. Good for all general photography.



Type E

for D3 series

Features grid patterns ideal for copying and architectural photography.

HDMI Cable



HC-E1 HDMI Cable

for D4 series, D3S, Df, D810, D800 series, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D5000, D3300, D3200, D3100, and Nikon 1 series/COOLPIX series with Type C mini-pin HDMI connector.

Using the HC-E1, uncompressed movie data can be transferred to an HDMI-connected external recorder. The data can also be recorded simultaneously to an external memory card as a convenient backup.

Soft Shutter Release



AR-11 Soft Shutter Release

for Df

By screwing the AR-11 into the release socket on the shutter-release button of cameras such as the Nikon Df, you can enjoy soft and vibration-free shutter release operation. Ebonite resin employed at the top ensures a comfortable finger touch.

Software

Camera Control Pro 2

for D4 series, D3 series, Df, D810, D800 series, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D5000

This intuitive software permits the control of camera settings and various features from a distance via computer. Aside from the basic camera settings, the software offers remote start/stop for movie shooting and switching between live view for stills and movies while using an external computer monitor. Also, audio level indicators can be displayed during movie shooting. And it is possible to control the camera from a PC or store still images or movies to a PC via wireless LAN using the optional Wireless Transmitter WT-5A/B/C/D or WT-4A/B/C/D/E, or built-in wired LAN function.

System Compatibility

			D4 series	D3 series	Df	D810	D800 series	D750	D610	D600	D7100	D7000	D5300	D5200	D5100	D3300	D3200	D3100	Nikon 1 series		
Flash	Speedlights	SB-910/SB-700/SB-500/SB-300 SU-800/SB-R200	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
	Flash Accessories	SC-28/SC-29 AS-15	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Remote Control Accessories		ML-3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
		MC-DC2			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
		MC-21/21A/22/22A/23/23A/ 25/25A/30/30A/36/36A	●	●		●	●														
		ML-L3						●	●	●	●	●	●	●	●	●	●	●	●	● (J1/J2/V1/V2/V3)	
Microphone	Stereo Microphone	ME-1	●	● (D3S)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	● (V1/V2/V3) *1	
Power Sources	Batteries	EN-EL4a		●																	
		EN-EL14a			●																
		EN-EL15				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	● (V1)
		EN-EL18 EN-EL18a	●																		
	Battery Chargers	MH-21/MH-22			●																
		MH-24			●																
		MH-25 MH-25a MH-26a				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	● (V1) ● (V1)
			●																		
	Multi-Power Battery Packs	MB-D11				●	●														
		MB-D12								●	●										
		MB-D14 MB-D15										●									
		MB-D16							●												
	AC Adapters	EH-5b*2 EH-6b*3		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		●	●																		
GPS Accessories		GP-1A	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
		MC-35	●	●		●	●														
Wireless Transmitters/Wireless Mobile Adapters		WT-5A/B/C/D	●																		
		WT-4A/B/C/D/E	●	●			●														
		WU-1a			●															● (S2)	
		WU-1b							●	●										● (J3/V2/S1/AW1)	
	UT-1	●			●	●	●				●	●									
Wireless Remote Controllers		WR-1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
	WR-R10/WR-T10	●*4	●*4	●	●*4	●*4	●	●	●	●	●	●	●	●	●	●	●	●	●		
HDMI Cable		HC-E1	●	● (D3S)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Viewing Attachments	Eyepieces Eyecups	DR-5	●	●	●	●	●														
		DR-6							●	●	●	●	●	●	●	●	●	●	●	●	
		DG-2	●*5	●*5	●*5	●*5	●*5	●*6	●*6	●*6	●*6	●*6	●*6	●*6	●*6	●*6	●*6	●*6	●*6	●*6	
		DK-17A/DK-17C/DK-17M/ DK-18/DK-19	●	●	●	●	●														
		DK-22						●	●	●	●	●	●	●	●	●	●	●	●	●	
		DK-21M						●	●	●	●	●	●	●	●	●	●	●	●	●	
		DK-20C						●	●	●	●	●	●	●	●	●	●	●	●	●	
		DK-20							●	●	●	●	●	●	●	●	●	●	●	●	
		DK-21							●	●	●	●	●	●	●	●	●	●	●	●	
		DK-23										●	●	●	●	●	●	●	●	●	
DK-25												●	●	●	●	●	●	●			
Software		Camera Control Pro 2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Focusing Screens		Type B/Type E		●																	
Body Caps		BF-1B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
LCD Monitor Covers		BM-12				●	●														
		BM-11										●									
		BM-14							●	●	●										
Camera Cases		CF-DC7											●				●				
		CF-DC6			●																
		CF-DC5			●																
		CF-DC4				●	●	●	●	●											
		CF-DC3									●	●									
		CF-DC2 CF-DC1											●	●	●	●	●	●	●		

*1 AS-N1000 Multi Accessory Port Adapter is required.
 *2 When connecting the EH-5b to the camera, EP-5A Power Connector (for Df, D5300, D5200, D5100, D3300, D3200, D3100, COOLPIX P7800), EP-5B (for D810, D800 series, D750, D610, D600, D7100, D7000, Nikon 1 V1), EP-5C (for Nikon 1 J3/J2/J1/S1/AW1/V3, COOLPIX A), EP-5D (for Nikon 1 V2) or EP-5E (for Nikon 1 J4/S2) is required.
 *3 EP-6 Power Connector is required when connecting the EH-6b to the D4 series.
 *4 Requires WR-A10 Adapter.
 *5 DK-18 Eyepiece Adapter is required.
 *6 DK-22 Eyepiece Adapter is required.

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Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. September 2014 © 2014 Nikon Corporation



WARNING

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

Visit the Nikon Europe website at: www.europe-nikon.com



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