



I AM FULL OF POSSIBILITIES





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,



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.



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

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. © Joe McNallv



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 guickly 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.





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



© Kathy Wolfe

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

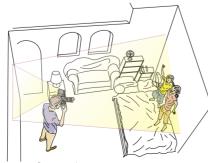


Wireless remote flash from the right side of the camera erases unwanted shadows cast on the wall by the window light from the left. © Kathy Wolfe

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 hotshoed 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.



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



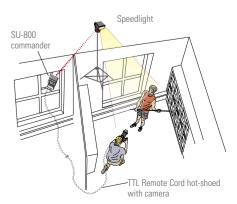
Even with a single Speedlight, countless combinations of subtlety and nuance can be explored. © Joe McNally

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.

© Joe McNally



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





© Cliff Mauthe

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

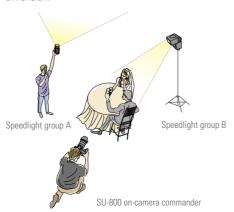


Main light from the camera's left illuminates the bride's face. A second light from behind the subject reveals details in the veil © Cliff Mautner

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 dimensior



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



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

© Yves Paternoste

level of precision can still amaze even seasoned studio photographers.



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



Many features, unl imited possibilities



i-TTL balanced fill flash © Joe McNallv

The same scene taken without flash

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 readies 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.

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



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



Normal sync for deep depth-of-field



Flash Value (FV) lock

at high noon.

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



Slow sync © Joe McNall

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 guality of light and guantity 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 output remains the same with EV lock activated 10 © Joe McNallv



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

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.





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



Nikon











D4S+SB-910



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

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© Dave Black

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



D750+SB-500

© Rav 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

SX-1 Attachment Ring

Can hold up to four SB-R200 units on

For centering the light from the SB-R200

Recommended for shooting distances within 15 cm (lens to subject).

This milky-white panel diffuses light

from a flash and softens shadows.

flash to an optical axis, which is especially effective in close-up shooting.

the lens or up to eight off camera.

SW-11 Extreme Close-up

Positioning Adapter



Wireless Remote Speedlight Also available as a separate unit for D4 series, D3 series, Df, D810, D800 series, D750,

SB-R200

degrees away.

SU-800

desire

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

Wireless Speedlight Commander

for D4 series, D3 series, Df, D810, D800 series, D750,

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

D610, D600, D7100, D7000, D5300, D5200, D5100,

Also available as a separate unit





R1C1/R1 Accessories

AS-20 Speedlight Stand







Built-in Flash

Adapter Rings







SZ-1 Color Filter Holder

SJ-R200 Color Filter Set

Flash Accessories

SW-12 Diffuser



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



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.

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	•	•	٠	•	
Switching illumination patterns	•	•			
FX/DX selection	•	•			
Firmware update capability	•	•	•	•	
LED light			•		

*1 Not available with D5300_D5200_D5100_D5000_D3300_D3200_D3100_D3000 and COOI PIX 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

Cameras

D4 series, D3 series, Df, D810, D800 series, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D5000, D3300, D3200, D3100, D3000	-E
D810, D750	
D810, D800 series, D750, D610, D600, D7100, D7000	*1
COOLPIX P7800	*2
COOLPIX P7800	——I

*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.

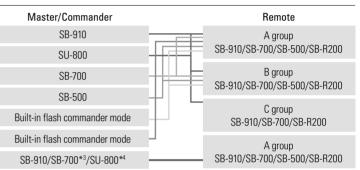
Specifications

SB-910	SB-700	SB-500	SB-300
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
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
3 illumination patterns (standard/even/center-weighted)	3 illumination patterns (standard/even/center-weighted)		
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
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)
Approx. 110 (with alkaline batteries)	Approx. 160 (with alkaline batteries)	Approx. 100 (with alkaline batteries)	Approx. 70 (with alkaline batteries)
Four R6/AA-size batteries	Four R6/AA-size batteries	Two R6/AA-size batteries	Two AAA-size batteries
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
Approx. 420 g	Approx. 360 g	Approx. 226 g	Approx. 97 g
	in FX format, standard illumination pattern) Power zoom 17-200 mm; 12 mm with built-in wide-flash adapter 3 illumination patterns (standard/even/center-weighted) i-TTL, Auto aperture, Non-TTL auto, Distance-priority manual, Manual, Repeating flash Approx. 2.3 seconds (with Ni-MH batteries) Approx. 110 (with alkaline batteries) Four R6/AA-size batteries Approx. 78.5 x 145.0 x 113.0 mm	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)Power zoom 17-200 mm; 12 mm with built-in wide-flash adapterPower zoom 24-120 mm; 12 mm with built-in wide-flash adapter3 illumination patterns (standard/even/center-weighted)3 illumination patterns (standard/even/center-weighted)i-TTL, Auto aperture, Non-TTL auto, Distance-priority manual, Manual, Repeating flashi-TTL, Distance-priority manual, Manual, Repeating flash*Approx. 2.3 seconds (with Ni-MH batteries)Approx. 2.5 seconds (with Ni-MH batteries)Approx. 110 (with alkaline batteries)Approx. 160 (with alkaline batteries)Four R6/AA-size batteriesFour R6/AA-size batteriesApprox. 7.0 x 126.0 x 104.5 mm	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)Power zoom 17-200 mm; 12 mm with built-in wide-flash adapterPower zoom 24-120 mm; 12 mm with built-in wide-flash adapter24 mm3 illumination patterns (standard/even/center-weighted)3 illumination patterns (standard/even/center-weighted)i-TTL, Auto aperture, Non-TTL auto, Distance-priority manual, Manual, Repeating flashi-TTL, Distance-priority manual, Manual, Repeating flash*i-TTL, ManualApprox. 2.3 seconds (with Ni-MH batteries)Approx. 15 seconds (with Ni-MH batteries)Approx. 100 (with alkaline batteries)Approx. 100 (with alkaline batteries)Approx. 100 (with alkaline batteries)Four R6/AA-size batteriesFour R6/AA-size batteriesFour R6/AA-size batteriesTwo R6/AA-size batteriesApprox. 78.5 x 145.0 x 113.0 mmApprox. 71.0 x 126.0 x 104.5 mmApprox. 67 x 114.5 x 70.8 mm

*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 batterv
- 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 batterv
- 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/ Runs on one EN-EL15, six R6/AA-size alkaline/Ni-MH/ lithium batteries. The EH-5b AC Adapter with EP-5B Power lithium batteries or EH-5b AC Adapter. Handy controls 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.



for vertical shooting are employed. Features rugged magnesium alloy construction and weather sealing.



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.



MB-D12 Multi-Power Battery Pack

for D810, D800 series

Runs on one EN-EL15, one EN-EL18 (BL-5 Battery Chamber Runs on one EN-EL15, six R6/AA-size alkaline/Ni-MH/ 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-D11 Multi-Power Battery Pack

for D7000

lithium batteries or EH-5b AC Adapter to provide added stability with extended shooting potential. Magnesium allov employed for exterior cover durability.

EN-EL18 Rechargeable Li-ion Battery	EN-EL18a Rechargeable Li-on Battery	EN-EL15 Rechargeable Li-ion Battery	EN-EL14/14a Rechargeable Li-ion Battery
for D4 series	for D4 series	for D810, D800 series, D750, D610, D600, D7100, D7000, Nikon 1 V1	for Df, D5300, D5200, D5100, D3300, D3200, D3100, COOLPIX P7800

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.



Battery Charger for D4 series, D3 series D7000, Nikon 1 V1

When using BT-A10

Adapter, EN-EL4a can

also be charged.

Enables charging of two Enables charging of

EN-EL18/EL18a batteries. EN-EL15 Rechargeable

for D810, D800 series, for D810, D800 series, D750, D610, D600, D7100, D750, D610, D600, D7100,

D7000, Nikon 1 V1 Enables charging of EN-EL15 Rechargeable Li-on Battery.

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

MH-24

GP-1A + Your Location

Li-ion Battery.

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









FN-FI4a **Rechargeable Li-ion** Battery

for D3 series



MH-21 Quick Charge



MH-22 Quick Charger

for D3 series

Enables charging of EN-EL4a Rechargeable Li-ion Batterv



Battery Charger for Df, D5300, 5200, D5100, D3300, D3200,

D3100, COOLPIX P7800



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



AC Adapter for D4 series. D3 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.



MC-35 GPS Adapter Cord

for D4 series, D3 series, D810, D800 series

To be connected to NMEA-0183 protocolcompatible 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.





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

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

Wireless Remote Controllers Further enhanced convenience using radio transmission



* Product name varies according to region, depending on local frequency channels available





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

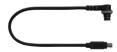
WR-R10/WR-T10 Wireless Remote Controllers expand the flexibility of remote control. Unlike remote controls using infrared light, it is possible to release the shutter even if there are obstacles such as a tree in the way. The communication distance for a combination of the WR-R10 with WR-T10 is approx. 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

*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 sereis, D750, D610, D600, D7100, D5300, D5200 and D3300.



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



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



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 rightangle 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 raphy. Requires an eyepiece adapter. reproduction ratio to either 1:1 or 1:2.

DK-20C Eyepiece Correction Lenses

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 eye-

(-5 to +3 m⁻¹

alasses.



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. Evesight adjustment provided. Useful for critical focusing in close-up photog- lar eyepiece. The DK-22 is for cameras 1.2x. Diopter adjustment

DK-17C Eyepiece

Correction Lenses

Df. D810, D800 series

Five correction lenses

from -3 to +2 m⁻¹ for

circular-eveniece

cameras

A transparent plastic

to reduce fogging.

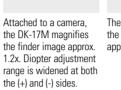
Cord (3 m)



DK-18 Eyepiece DK-22 Eyepiece DK-17M Magnifying Adapter Adapter

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

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



Eveniece

for D4 series. D3 series.



D7100, D7000

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



Improves viewing comfort and prevents stray light from entering the viewfinder optical element with a and diminishing contrast. special surface coating

Remote Cord + Long Exposure

Getting the most out of steady tripod shooting



MC-36/36A Remote Cord MC-30/30A Remote (0.85 m)

Cord (0.8 m) for D4 series D3 series D810, D800 series

Enables remote firing of Allows remote firing of a camera, and setting of a camera with triggerinterval timer and long time exposure. the shutter release button depressed — Incorporates an illumi-

nated LCD panel. useful for bulb 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-22/22A Remote Cord (1 m)

for D4 series, D3 series, for D4 series. D3 series. D810, D800 series D810, D800 series Useful for making

dark

For use with connections to a shutter-MC-22/22A/23/23A/ lock function by keeping triggering device, such 25/25A/30/30A/36/36A as those activated by an or ML-3. infrared sensor to take pictures of wildlife after



MC-DC2 Remote Cord ML-L3 Remote Control (1 m)

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

MC-21/21A Extension

Cord (0.4 m)

for D4 series, D3 series, D810, D800 series D810, D800 series chronized shutter release



for simultaneous or syn- channels via an infrared LED beam to enable to 8 m. Features include auto-triggering and delayed shutter release, as well as single and continuous shooting.



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.



MC-23/23A Connecting ML-3 Modulite Remote Control Set

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

Connects two cameras The ML-3 offers remote control of two separate automatic camera operation from a distance of up



Other Accessories

Close-up Accessories



PR-6N Macro Copy Stand

Slide Copying Adapter Used with the PB-6 and a Attaches to the end of the NIKKOR lens to make PB-6 to convert it into a duplicate slides. Cropping of smaller stand ideal for copying increases the working the original slide is possible. documents or for use in scientific and medical specimen photography.

RR-24*

Macro Adapter Ring PK-11A*/PK-12*/PK-13* Auto Extension Rings A handy adapter that Enables reverse-mounting Use one or multiple extension rings for further creative converts the bayonet mount of lenses. The BR-2A also capabilities. An AI NIKKOR will retain automatic of reverse mounted lenses diaphraam and meter coupling functions, letting you distance for normal or wide- to the 52 mm thread used compose, focus and meter at a wide-open apertures. The angle lenses. Compatible for filters and hoods. rings can also be used for manual exposure control with lenses having a 52 (Exposure meter does not work with cameras that do not mm-sized front attachment have an exposure meter coupling lever).

Filters

PS-6

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 place 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 nonmetallic 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

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 Λ.F.- /

*AS-N1000 Multi Accessory Port Adapter is required. The ME-1 incorporates a vibration reduction system that minimizes vibration noise during autofocus, ensuring a clearer recording. Also, the built-in low-cut filter reduces wind noise and other low-frequency noise not blocked by the wind screen. Weighs approx. 92 g (ME-1 only).



Type B

for D3 series

Features grid patterns ideal for copying and architectural photography

External Microphone















RR-3* Adapter Ring



* G-type lenses cannot be used.

Interchangeable Focusing Screens



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







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



for D4 series, D3S, D810, D800 series, D750, D610, D600, D7100, D7000, D5300, D5200, D5100, D3300, D3200, COOLPIX P7800, Nikon 1 V1/V2/V3*

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
Flash														
	Speedlights	SB-910/SB-700/SB-500/SB-300 SU-800/SB-R200	•	•	•	•	•	٠	•	•	•	•	•	•
	Flash Accessories	SC-28/SC-29	•	•	•	•	•	•	•	•	•	•	•	•
Demote Control Accounting		AS-15						•	•	•	•	•	•	•
Remote Control Accessories		ML-3	•	•		•	•							
		MC-DC2	•		•	•	•	•	•	•	•	•	•	•
		MC-21/21A/22/22A/23/23A/	•	•		•	•							
		25/25A/30/30A/36/36A	•			-								
		ML-L3						•	•	•	•	•	•	•
Microphone	1			1		1			1		1		1	1
	Stereo Microphone	ME-1	•	 (D3S) 		•	•	•	•	•	•	•	•	•
Power Sources				•										
		EN-EL4a EN-EL14a		•	•								•	•
	Batteries	EN-EL15				•	•	•	•	•	•	•		
		EN-EL18	•											
		EN-EL18a	٠											
		MH-21/MH-22		•										
		MH-24			•								•	•
	Battery Chargers	MH-25				•	•	•	•	•	•	•		
		MH-25a MH-26a	•			•	•	•	•	•	•	•		
		MB-D11	•									•		
		MB-D12				•	•							
	Multi-Power Battery Packs	MB-D14							•	•				
	Ddilely Facks	MB-D15									•			
		MB-D16						•						
	AC Adapters	EH-5b*2	•		•	•	•	٠	•	•	•	•	•	•
GPS Accessories		EH-6b*3	٠	•										
GPS Accessories		GP-1A	•	•	•	•	•	•	•	•	•	•	•	•
		MC-35	•	•		•	•	•						
Wireless Transmitters/Wireless	ss Mobile Adapters	100 00		•		, , , , , , , , , , , , , , , , , , ,	, in the second s							
		WT-5A/B/C/D	•											
		WT-4A/B/C/D/E	•	•			•					•		
		WU-1a			•						•			•
		WU-1b							•	•				
			-						· ·	•				
Window Demote Controllors		UT-1	•			•	•	٠			•	•		
Wireless Remote Controllers		WR-1	•	•	•	•	•	٠	•	•	•	•	•	•
		WR-R10/WR-T10	••••	•* ⁴	•	•* ⁴	•**	•	•	•	•	•	•	•
HDMI Cable	1		, i i i i i i i i i i i i i i i i i i i	-	· ·	, , , , , , , , , , , , , , , , , , ,	· ·	, i i i i i i i i i i i i i i i i i i i	, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,		, , , , , , , , , , , , , , , , , , ,	-	Ū
		HC-E1	•	 (D3S) 	•	•	•	٠	•	•	•	•	•	•
Viewing Attachments														
		DR-5	•	•	•	•	•							
		DR-6						•	•	•	•	•	•	•
		DG-2	•* ⁵	•* ⁵	•* ⁵	•* ⁵	•* ⁵	•* ⁶	•* ⁶	•* ⁶	•*6	•*6	•*6	•*6
		DK-17A/DK-17C/DK-17M/ DK-18/DK-19	•	•	•	•	•							
		DK-10/DK-19 DK-22						•	•	•	•	•	•	•
	Evenieces	DK-22 DK-21M						•	•	•	•	•	•	•
	Eyepieces Eyecups	DK-20C						•	•	•	•	•	•	•
		DK-20						-						•
		DK-21						٠	•	•		•		
		DK-23									•			
0.4		DK-25											•	
Software		Ormer Ormer D. C.			6	-	-	6	-	-	-	-	-	-
Focusing Screens		Camera Control Pro 2	•	•	•	•	•	•	•	•	•	•	•	•
Locasing Screens		Туре В/Туре Е		•										
Body Caps		11000111000		-					1		1	1	1	1
, .		BF-1B	٠	•	•	•	•	٠	•	•	•	•	•	•
LCD Monitor Covers														
		BM-12				•	•							
		BM-11										•		
0		BM-14						•	•	•				
Camera Cases		05 007												
		CF-DC7 CF-DC6			•								•	
		CF-DC5			•			•	•	•				
		CF-DC5				•	•	*	•	•				
						-	-					•		
											•			
		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 WH-A10 Adapter : *5 DK-18 Eyepiece Adapter is required. *6 DK-22 Eyepiece Adapter is required.

D5100	D3300	D3200	D3100	Nikon 1 series
•	•	•	•	
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٠	•	٠		(J1/J2/V1/V2/V3)
•				 (V1/V2/V3) *1
•	•	•		• (V1/V2/V3)*1
•	•	•	•	
•	•			• (V1)
•	•	•	•	• (V1)
				• (V1)
•	•	•	•	•
٠	•	٠	•	
	•	•		• (S2)
				•
				(J3/V2/S1/AW1)
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