Painting with light

Fast-moving subjects captured against a blaze of background color: add Speedlights to a scene, and you can achieve a whole lot more in your images. Dare to see the world differently.

© Dave Black
All the subtlety, all the drama
In atmospheric settings, flash photography heightens the beauty of the moment. Radio communication makes even elaborate lighting set-ups feel effortless, allowing your creativity to take control.

© Dave Black
Photography is all about working with light. Take control of the light, and everything changes. Drab settings become instantly dramatic. A seemingly mundane moment turns into something unforgettable.

For photographers, working with flash can be a liberating experience. It’s a way of unlocking the full potential of the scene in front of you — of bending, or even rewriting, the rules. With a few Nikon Speedlights in your bag, you’ll have a wealth of creative options at your disposal every time you shoot.

Portable and highly adaptable, Speedlights let you devise imaginative, multi-angle lighting setups with minimal hassle. That’s thanks to the power and flexibility of Nikon’s Creative Lighting System (CLS), which provides intuitive, highly accurate flash metering, combined with the ability to control multiple Speedlights wirelessly.

And it just got even better. The new SB-5000 Speedlight marks the dawn of an exciting new phase for CLS, and for flash photography in general. For the first time, it’s possible to control Speedlights via radio waves, enabling reliable communication over far greater distances (up to 30 m/100 ft), and without having to worry about physical obstacles.

With the power to control up to 6 groups of Speedlights at once, even the most ambitious lighting designs are now feasible. What’s more, enhanced high-speed sync accuracy and quicker flash recycle rates allow you to capture fast-moving subjects like never before.

Flash photography has the power to transform your images. And with Nikon’s improved Creative Lighting System, the possibilities are as limitless as your imagination.

**Primetime action**

Challenging, fast-paced environments are no problem for Speedlights. Even shooting split-second action over long distances, your gear won’t place limits on your ambitions any more.

As the camera pans while using a slow shutter speed, the backdrop of autumn leaves bathed in morning light becomes a rich tapestry of saturated colors. The cycle path is still in the shadows, but two remote Speedlights illuminate the riders as they pass. Radio communication ensures reliable wireless performance, even in dense foliage.

A pair of mounted Speedlights acts as the key light on the dancer, as additional flash units positioned in the front and rear illuminate the foliage behind. With radio communication, there are no line-of-sight issues. Accurate high-speed sync freezes the action, while a high ISO setting makes it possible to capture every nuance of the ethereal surroundings.

The photographer shoots from the towboat, while five Speedlights on an auxiliary boat combine to create a concentrated hard light on the wake boarder. Instantaneous communication over long distances is vital to achieving this shot. With the available natural light falling fast, rapid flash recycle times are also invaluable.
More flexible lighting control with various advanced functions

Nikon Creative Lighting System (CLS) is Nikon’s original flash system that utilizes optimized data communication between Speedlights and cameras. A variety of advanced features achieved via a combination of Speedlights and CLS-compatible cameras* remarkably expands the possibilities of flash photography. CLS is composed of versatile functions as shown below. (Available functions differ depending on the combination of Speedlights and cameras.)

Advanced Wireless Lighting

Radio-controlled Advanced Wireless Lighting

A combination of CLS-compatible cameras and Speedlights enables wireless multiple flash photography which controls each group of master and remote flash units. There are two systems: Radio-controlled and optically-controlled.

Radio-controlled Advanced Wireless Lighting

With the WR-10 Wireless Remote Controller attached to the camera (D5, D850, D500, D7500) as a commander, radio-controlled Advanced Wireless Lighting is available by locating remote flashes more flexibly than with an optical system, even when they’re out of view, behind obstacles or in bright ambient light.

• WR-10 Wireless Remote Adapter is required when attaching WR-10 to the D850 and D500.
• Only the SB-5000 can be used as an remote flash.
• Up to six groups (A-F) using 16 units can be set as an remote flash units.
• Wireless multiple flash photography without using a master flash is also possible.

Optically-controlled Advanced Wireless Lighting

Wireless multiple flash photography with an optically-controlled system is enabled with the DLS-compatible cameras except COOLPIX A and Speedlights. Also, a built-in flash with commander function can be used.

• Up to three groups (A-C) of remote flashes can be set. There is no limit to the number of remote units in each group, however, up to three are recommended.

Simultaneous use of optically-controlled and radio-controlled systems

Optically-controlled Advanced Wireless Lighting

*CLS-compatible cameras: FX-format/DX-format Nikon Digital SLR cameras (except D1 series and D1X, F5, COOLPIX A).

i-TTL Flash control

A certain amount of very little light flux consecutively, so that you can confirm the lighting before shooting.

Flash Value (FV) lock

Based on an appropriate flash amount determined with the monitor pre-flash, this automatically adjusts the flash amount even when you change compositions, zoom or aperture to deliver proper exposure. Fixing the flash amount enables photography with stable exposure.

AF-assist illumination

When it is difficult to focus on a subject in low light, this function projects AF-assist illumination with multi-area AF and multi-point AF of the camera to achieve autofocus.

Unified flash control

This function can share various flash settings with Speedlights and cameras. Speedlight settings can be adjusted using a camera or Camera Control Pro 2 (optional). Settings associated on Speedlights are reflected in the camera and Camera Control Pro 2.

Standard TTL Flash

With D5, D850, D500 Optically-controlled system with a master flash (except SB-5000) attached to the camera and radio-controlled system with the WR-10 can be used simultaneously.

• Remote flashes of groups A, B and C are optically controlled, while those of groups D, E and F are radio-controlled.
• SB-5000 cannot be used as a master flash in the optically-controlled system.
• Only the SB-5000 can be used as a remote flash in the radio-controlled system.

Non-TTL auto flash

Reflecting light of the main flash is detected by the flash sensor on the Speedlight and controlled for appropriate exposure.

Distance-priority manual flash

On single or continuous flash shooting, the Flash automatically adjusts the flash output according to the aperture, so you can take pictures while retaining the same flash exposure even with different apertures.

Auto power zoom function

This feature allows the angle of illumination to be automatically adjusted as the lens is zoomed in or out.

Red-eye reduction

A process that removes “red-eye” caused by light reflecting from the camera taken with the flash. It emits “pre-flashes” several times before the main flash, to make the subject’s pupils contract for reducing red-eye. (Available with a camera featuring red-eye reduction model)

Bounce flash

When the flash head is tilted to bounce flash position, you can bounce the flash off the ceiling or a wall to soften shadows and produce a more natural-looking picture.

*SB-5000, SB-700, SB-500 and SB-800 (optional)
## Speedlight Compatibility

### Available functions with a combination of Speedlights and CLS-compatible cameras

**Speedlights with Nikon Creative Lighting System compatible**

<table>
<thead>
<tr>
<th>Speedlights</th>
<th>Cameras</th>
</tr>
</thead>
</table>

**Radio-controlled system**

- **SB-900**: Available with the built-in flash of SB-5000, SB-700, SB-500, SB-R200.
- **SB-350**: Available with the built-in flash of SB-5000, SB-700, SB-500, SB-R200.
- **SB-300**: Available with the built-in flash of SB-5000, SB-700, SB-500, SB-R200.
- **SB-700**: Available with the built-in flash of SB-5000, SB-700, SB-500, SB-R200.
- **SB-500**: Available with the built-in flash of SB-5000, SB-700, SB-500, SB-R200.
- **SB-R200**: Available with the built-in flash of SB-5000, SB-700, SB-500, SB-R200.

**Optically-controlled system**

- **SB-900**: Available with up to four slave flashes (with a master flash). Simultaneous use of up to four slave flashes is recommended.
- **SB-350**: Available with up to four slave flashes (with a master flash). Simultaneous use of up to four slave flashes is recommended.
- **SB-300**: Available with up to four slave flashes (with a master flash). Simultaneous use of up to four slave flashes is recommended.
- **SB-R200**: Available with up to four slave flashes (with a master flash). Simultaneous use of up to four slave flashes is recommended.

**Simultaneous use of optically-controlled and radio-controlled systems**

- **SB-900**: Available with up to four slave flashes (with a master flash). Simultaneous use of up to four slave flashes is recommended.
- **SB-350**: Available with up to four slave flashes (with a master flash). Simultaneous use of up to four slave flashes is recommended.
- **SB-300**: Available with up to four slave flashes (with a master flash). Simultaneous use of up to four slave flashes is recommended.
- **SB-R200**: Available with up to four slave flashes (with a master flash). Simultaneous use of up to four slave flashes is recommended.

### Combinations of camera and Speedlights with Advanced Wireless Lighting

**Radio-controlled system**

<table>
<thead>
<tr>
<th>Camera</th>
<th>Commander</th>
<th>Master flash</th>
<th>Remote flash</th>
</tr>
</thead>
<tbody>
<tr>
<td>D850, D810</td>
<td>WR-A10 (with WR-A1X)</td>
<td>SB-900</td>
<td>SB-900</td>
</tr>
<tr>
<td>D7500</td>
<td>WR-A10</td>
<td>SB-900</td>
<td>SB-900</td>
</tr>
</tbody>
</table>

**Optically-controlled system**

- **FX-format/DX-format digital SLR cameras**
  - **SB-900**: Available with up to four slave flashes (with a master flash). Simultaneous use of up to four slave flashes is recommended.
  - **SB-350**: Available with up to four slave flashes (with a master flash). Simultaneous use of up to four slave flashes is recommended.
  - **SB-300**: Available with up to four slave flashes (with a master flash). Simultaneous use of up to four slave flashes is recommended.
  - **SB-R200**: Available with up to four slave flashes (with a master flash). Simultaneous use of up to four slave flashes is recommended.

**Simultaneous use of optically-controlled and radio-controlled systems**

<table>
<thead>
<tr>
<th>Camera</th>
<th>Master flash/commander</th>
<th>Remote flash</th>
<th>Radio-controlled</th>
</tr>
</thead>
<tbody>
<tr>
<td>D850, D810</td>
<td>SB-500</td>
<td>SB-500</td>
<td>SB-500</td>
</tr>
<tr>
<td>D7500, D7200, D7100</td>
<td>SB-700, SB-500</td>
<td>SB-700, SB-500</td>
<td>SB-700, SB-500</td>
</tr>
</tbody>
</table>

* Available only when used with SB-500, SB-700, SB-500, SB-R200.
* Available with the built-in flash of SB-5000, SB-700, SB-500, SB-R200.
* Available with the built-in flash of SB-5000, SB-700, SB-500, SB-R200.
* Available with the built-in flash of SB-5000, SB-700, SB-500, SB-R200.
* Available with the built-in flash of SB-5000, SB-700, SB-500, SB-R200.
* Available with the built-in flash of SB-5000, SB-700, SB-500, SB-R200.
* Available with the built-in flash of SB-5000, SB-700, SB-500, SB-R200.
* Available with the built-in flash of SB-5000, SB-700, SB-500, SB-R200.
* Available with the built-in flash of SB-5000, SB-700, SB-500, SB-R200.
The Speedlight Lineup

**SB-5000**
Nikon’s flagship Speedlight that fully supports the next-generation Creative Lighting System

- Radio-controlled Advanced Wireless Lighting system realizes wireless multiple flash photography even under bright sunlight or when obstacles block optical control, for improved lighting flexibility (with D5, D850 and D500)
- Cooling system that suppresses heat generation within the flash head is incorporated, providing a greatly increased number of consecutive shots
- Unified flash control function enables setting changes and flash operation using camera menus or a personal computer with Camera Control Pro 2 (with D5, D850 and D500)
- Frequently used functions can be accessed quickly with a press of the rotary multi selector or newly adopted [i] button
- 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
- Hard type color filter that is superior in durability and heat resistance is supplied
- Guide number of 34.5 at 35 mm or 55 at 200 mm (FX format, standard illumination pattern, ISO 100, m, 23˚C)
- Power zoom function covers wide 24-200 mm (in FX format) zoom range
- AF-assist illumination, compatible with multi-point AF system, covers wide 24-135 mm focal length range
- Minimum recycling time: approx. 1.8 seconds with Ni-MH batteries
- Compatible with SD-9 High-Performance Battery Pack

**SB-700**
High-performance versatile Speedlight brings simplicity to on-camera, remote and multiple flash photography

- 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

**SB-300**
Compact and lightweight Speedlight with bounce flash capability

- Compact and lightweight design for great portability
- Easy operation even for novices
- Flash head can be set up to 230° upward for beautiful indoor portrait
- Compatible with readily available AAA-size batteries

**SB-500**
Versatile Speedlight with high mobility and flexibility

- 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
- Compatible with readily available AA-size batteries

**SB-5000**
Nikon’s flagship Speedlight that fully supports the next-generation Creative Lighting System

- Radio-controlled Advanced Wireless Lighting system realizes wireless multiple flash photography even under bright sunlight or when obstacles block optical control, for improved lighting flexibility (with D5, D850 and D500)
- Cooling system that suppresses heat generation within the flash head is incorporated, providing a greatly increased number of consecutive shots
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- 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
- Hard type color filter that is superior in durability and heat resistance is supplied
- Guide number of 34.5 at 35 mm or 55 at 200 mm (FX format, standard illumination pattern, ISO 100, m, 23˚C)
- Power zoom function covers wide 24-200 mm (in FX format) zoom range
- AF-assist illumination, compatible with multi-point AF system, covers wide 24-135 mm focal length range
- Minimum recycling time: approx. 1.8 seconds with Ni-MH batteries
- Compatible with SD-9 High-Performance Battery Pack
### R1C1/R1 Close-up Speedlight Kit

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

**R1C1:** Close-up Speedlight Commander Kit (SU-400, two SB-R200s and all the accessories)

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

**SB-R200 Wireless Remote Speedlight**

Also available as a separate unit for D5, D4, D3X, D3, D90, D810/D810A, D750, D5600, D5500, D5300, D5200, D3500, D3400, D3300, D3200, COOLPIX A.

Two SB-R200 units are included with both the R1C1 and the R1. Each unit features a guide number of 10 (ISO 100, 1/200 s) or 14 (ISO 200, 1/100 s). When attached to a lens via the SU-1X, the flash head can be tilted up to 80 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 D5, D4, D3X, D3, D90, D810/D810A, D750, D5600, D5500, D5300, D5200, D3500, D3400, D3300, D3200, COOLPIX A.

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

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### Flash Accessories

- **SX-1 Attachment Ring:** Mounts up to four SB-R200 units on the lens or up to eight off camera.
- **SW-1 Extreme Close-up Positioning Adapter:** For articulating the light from the SB-R200 flash to an optical axis, which is especially effective in close-up shooting. Recommended for showing distances within 15 cm (lens to subject).
- **SW-12 Diffuser:** The milky-white panel diffuses light from a flash and softens shadows.
- **SW-C1 Flexible Arm Clip:** Allows attachment of items such as a flash head, small flash, or lens hood to the lens or up to eight off camera. Can hold up to four SB-R200 units on a single arm.
- **SW-D Diffuser Panel:** A diffusion panel fits between the lens and the SU-1X Attachment Ring.

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### Specifications

<table>
<thead>
<tr>
<th><strong>SB-S500</strong></th>
<th><strong>SB-700</strong></th>
<th><strong>SB-500</strong></th>
<th><strong>SB-300</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Guide number</strong></td>
<td>ISO 100, m, (20°)**</td>
<td>14.5 (at 35 mm zoom head position, in FX format, standard illumination pattern, 23°C)**</td>
<td>24 (at 35 mm zoom head position, in FX format, standard illumination pattern)**</td>
</tr>
<tr>
<td><strong>Angle of illumination</strong></td>
<td>Power zoom 24 to 200 mm, 14 mm with wide panel</td>
<td>Power zoom 24 to 120 mm, 12 mm with built-in wide-flash adapter</td>
<td>24 mm</td>
</tr>
<tr>
<td><strong>Illumination pattern</strong></td>
<td>3 illumination patterns (standard/center-weighted)</td>
<td>3 illumination patterns (standard/center-weighted)</td>
<td>—</td>
</tr>
<tr>
<td><strong>Flash mode</strong></td>
<td>i-TTL, Auto aperture flash, Non-TTL auto flash, Distance-priority manual flash, Manual flash, Repeating flash**</td>
<td>i-TTL, Distance-priority manual, Manual, Repeating flash**</td>
<td>—</td>
</tr>
<tr>
<td><strong>Other available functions</strong></td>
<td>Test firing, monitor pre-flashes, AF-assist illumination for multi-point AF, Manual flash, Repeating flash</td>
<td>Test firing, monitor pre-flashes, AF-assist illumination for multi-point AF, Manual flash, Repeating flash</td>
<td>—</td>
</tr>
<tr>
<td><strong>Minimum recycling time</strong></td>
<td>3 seconds (manual at full)</td>
<td>3 seconds (manual at full)</td>
<td>3.5 seconds (manual at full)</td>
</tr>
<tr>
<td><strong>Number of flashes</strong></td>
<td>Approx. 150 (with alkaline batteries)</td>
<td>Approx. 160 (with alkaline batteries)</td>
<td>Approx. 100 (with alkaline batteries)</td>
</tr>
<tr>
<td><strong>Power source</strong></td>
<td>Four AAA batteries</td>
<td>Four AAA batteries</td>
<td>Two AAA batteries</td>
</tr>
<tr>
<td><strong>Other features</strong></td>
<td>Built-in wide-flash adapter</td>
<td>Built-in wide-flash adapter</td>
<td>Built-in wide-flash adapter</td>
</tr>
<tr>
<td><strong>Dimensions (W x H x D)</strong></td>
<td>Approx. 73.0 × 137.0 × 103.5 mm</td>
<td>Approx. 71.0 × 126.0 × 104.5 mm</td>
<td>Approx. 67.0 × 114.5 × 70.8 mm</td>
</tr>
<tr>
<td><strong>Weight (without batteries)</strong></td>
<td>Approx. 120 g</td>
<td>Approx. 110 g</td>
<td>Approx. 100 g</td>
</tr>
<tr>
<td><strong>AF-assist illumination for multi-point AF:</strong></td>
<td>3 illumination patterns (standard/even/center-weighted)</td>
<td>3 illumination patterns (standard/even/center-weighted)</td>
<td>—</td>
</tr>
<tr>
<td><strong>Flash coverage:</strong></td>
<td>Approx. 60° (vertical), approx. 78° (horizontal)</td>
<td>Approx. 80° to 100° (vertical), approx. 120° (horizontal)</td>
<td>—</td>
</tr>
<tr>
<td><strong>Flash head tilt angle:</strong></td>
<td>-45° to 145°</td>
<td>-45° to 145°</td>
<td>—</td>
</tr>
<tr>
<td><strong>Number of channels:</strong></td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td><strong>Number of groups:</strong></td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td><strong>Number of transmitters:</strong></td>
<td>Approx. 1,200</td>
<td>Approx. 1,200</td>
<td>Approx. 1,200</td>
</tr>
<tr>
<td><strong>Flash light wavelengths:</strong></td>
<td>Approx. 800 to 1,000 nm (infrared ray)</td>
<td>Approx. 800 to 1,000 nm (infrared ray)</td>
<td>Approx. 800 to 1,000 nm (infrared ray)</td>
</tr>
<tr>
<td><strong>Flash coverage:</strong></td>
<td>Approx. 40° (vertical), approx. 78° (horizontal)</td>
<td>Approx. 40° (vertical), approx. 78° (horizontal)</td>
<td>Approx. 40° (vertical), approx. 78° (horizontal)</td>
</tr>
<tr>
<td><strong>Display:</strong></td>
<td>LCD, ready-light</td>
<td>LCD, ready-light</td>
<td>LCD, ready-light</td>
</tr>
<tr>
<td><strong>Power source:</strong></td>
<td>One 3V CR123A lithium battery</td>
<td>One 3V CR123A lithium battery</td>
<td>One 3V CR123A lithium battery</td>
</tr>
<tr>
<td><strong>Dimensions (W x H x D):</strong></td>
<td>Approx. 68 x 96 x 58 mm</td>
<td>Approx. 68 x 96 x 58 mm</td>
<td>Approx. 68 x 96 x 58 mm</td>
</tr>
<tr>
<td><strong>Weight (without batteries):</strong></td>
<td>Approx. 110 g</td>
<td>Approx. 110 g</td>
<td>Approx. 100 g</td>
</tr>
</tbody>
</table>

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### Notes

- * There are limitations to usable lenses.
- **Guide number:** 10 (ISO 100, 1/200 s) or 14 (ISO 200, 1/100 s).
- **Angle of illumination:** Power zoom 24 to 200 mm, 14 mm with wide panel.
- **Illumination pattern:** 3 illumination patterns (standard/center-weighted).
- **Flash mode:** i-TTL, Auto aperture flash, Non-TTL auto flash, Distance-priority manual flash, Manual flash, Repeating flash.
- **Other available functions:** Test firing, monitor pre-flashes, AF-assist illumination for multi-point AF, Manual flash, Repeating flash.
- **Minimum recycling time:** Approx. 20 m for the SB-5000, SB-700 and SB-500, and approx. 290 (manual at full).
- **Number of flashes:** Approx. 150 (with alkaline batteries).
- **Power source:** Four AAA batteries.
- **Other features:** Built-in wide-flash adapter.
- **Dimensions (W x H x D):** Approx. 73.0 × 137.0 × 103.5 mm.
- **Weight (without batteries):** Approx. 120 g.

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### Additional Information

- **Electronic construction:** Automatic Insulated Gate Bipolar Transistor (IGBT) and series circuitry (for wireless remote flash unit only).
- **Guide number:** 10 (ISO 100, 1/200 s) or 14 (ISO 200, 1/100 s).
- **Angle of coverage:** 24 mm.
- **Flash mode:** i-TTL, D-TTL, Manual (full to 1/64 output [b-save]), full to 1/128 output (commander).
- **Min. recycling time:** Approx. 6.0 seconds (manual at full).
- **Number of flashes:** Approx. 200 (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-500 Speedlight Stand.
- **Target light:** White LED.
- **Power source:** One 3V CR123A lithium battery.
- **Dimensions (W x H x D):** Approx. 68 x 96 x 58 mm.
- **Weight (without batteries):** Approx. 110 g.
Multi-Power Battery Pack + Added Reliability

More power and speed when you need it

**MB-D18 Multi-Power Battery Pack**
Runs on EN-EL15a/EN-EL15 or EN-EL18b/EN-EL18a/EN-EL18 rechargeable battery or eight R6/AA-size alkaline/Ni-MH/lithium batteries. This weather- and dust-resistant Multi-Power Battery Pack employs shutter-release, AF-ON, and function buttons, a multi-selector and main- and sub-command dials.

**MB-D17 Multi-Power Battery Pack**
Runs on EN-EL15a/EN-EL15, EN-EL18b/EN-EL18a/EN-EL18 or eight R6/AA-size batteries. Various controls for vertical shooting such as shutter-release button, multi selector, function button and main/sub-command dials are employed. Features rugged magnesium alloy construction and dust and water-drop resistance.

**MB-D16 Multi-Power Battery Pack**
Runs on one EN-EL15a/EN-EL15 or six R6/AA-size alkaline/Ni-MH/lithium batteries. The EN-EL18b/EN-EL18a 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: AF-L, AF-L button, main/sub-command dials, shutter-release button and multi selector.

**Software + Your Workflow Efficiency**
Powerful tools for effective image creation

**Capture NX-D**
Capture NX-D is software exclusively created to develop Nikon’s original RAW (NEF) files. You can adjust the look of Nikon’s original RAW (NEF) files or EN-EL18a/EN-EL18 b batteries.

**Camera Control Pro 2**
This software remotely controls most functions of Nikon digital SLRs from a computer that is connected via USB cable or through wireless LAN using a wireless transmitter. It also supports workflows of Nikon’s exclusive photo editing software Capture NX-D (optional) and browser and viewer software ViewNX-i.

**ViewNX-i / ViewNX-Movie Editor**
Inheriting the comprehensive operation of the conventional ViewNX 2 software, ViewNX-i features enhanced usability of the browsing functions, such as Photo Tray that lets users temporarily store files from various folders, for smooth operation when editing movies or printing still images. ViewNX-i collaboration with both Capture NX-D that allows detailed adjustments to still images, and ViewNX-Movie Editor that offers easy movie editing.
Wireless Transmission Accessories + Enhanced Efficiency

Higher workflow speed and new photographic enjoyment

The WT-4/A/B/C/D Wireless Transmitter enables image data transfer via high-speed wireless LAN*3 to a computer or FTP server.*4 When used with the UT-1 Communication Unit, transfer functions are achieved via wireless LAN with D5, Df, D500, D7500, D7200, D7100, COOLPIX A, D850, D810/D810A, D750, D500, D7500, D7200, D7100, D5600, D5500, D5300, D5200, D3300, D3200, COOLPIX A, and D7100. When the WT-4/A/B/C/D is used in combination with the WT-5/A/B/C/D Wireless Transmitter, FTP upload” mode, “Image transfer” mode*2, “Camera control” mode*2, “Thumbnail Select” mode, and “Synchronized release” mode can be used simultaneously and continuous shooting is supported. Via a web browser, PTP information, text, and copyright information can also be added.

Image transfer includes “Infrastructure” mode using wireless LAN access points, and “Ad-Hoc” mode without the camera connected with a computer using direct connection with a computer and smart device.

“Synchronized release” mode can be used even when the D5 (with WT/A/B/C/D or WT/A/B/C/D) and the D4 series (with WT/A/B/C/D) are used simultaneously.

When the D500 that is not equipped with wired LAN terminal is connected with the WT-1/A/B/C, image transfer via 1000BASE-T supported wired LAN is enabled.

WT-4/A/B/C/D Wireless Transmitter
- For D5, Df, D500, D7500, D7200, D7100, COOLPIX A
- When used with the UT-1 Communication Unit, transfer functions are achieved via wireless LAN with D5, Df, D500, D7500, D7200, D7100, COOLPIX A, D850, D810/D810A, D750, D500, D7500, D7200, D7100, D5600, D5500, D5300, D5200, D3300, D3200, COOLPIX A, and D7100.

WT-5/A/B/C/D Wireless Transmitter
- For D5, Df, D500, D7500, D7200, D7100, COOLPIX A
- When used with the UT-1 Communication Unit, transfer functions are achieved via wireless LAN with D5, Df, D500, D7500, D7200, D7100.

WT-6/A/B/C/D Wireless Transmitter
- For D5, Df, D500, D7500, D7200, D7100, COOLPIX A
- With the WT-6/A/B/C/D Wireless Transmitter, “FTP upload” mode, “Image transfer” mode, “Synchronized release” mode*2, “Camera control” mode*2, “Thumbnail Select” mode, and “Synchronized release” mode can be used simultaneously and continuous shooting is supported. Via a web browser, PTP information, text, and copyright information can also be added.

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When the D500 that is not equipped with wired LAN terminal is connected with the WT-1/A/B/C, image transfer via 1000BASE-T supported wired LAN is enabled.

WT-6/A/B/C/D Wireless Transmitter
- For D5, Df, D500, D7500, D7200, D7100, COOLPIX A
- When used with the UT-1 Communication Unit, transfer functions are achieved via wireless LAN with D5, Df, D500, D7500, D7200, D7100.

WT-7/A/B/C/D Wireless Transmitter
- For D5, Df, D500, D7500, D7200, D7100, COOLPIX A
- With the WT-7/A/B/C/D Wireless Transmitter, “FTP upload” mode, “Image transfer” mode, “Synchronized release” mode*2, “Camera control” mode*2, “Thumbnail Select” mode, and “Synchronized release” mode can be used simultaneously and continuous shooting is supported. Via a web browser, PTP information, text, and copyright information can also be added.

Image transfer includes “Infrastructure” mode using wireless LAN access points, and “Ad-Hoc” mode without the camera connected with a computer using direct connection with a computer and smart device.

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WT-7/A/B/C/D Wireless Transmitter
- For D5, Df, D500, D7500, D7200, D7100, COOLPIX A
- When used with the UT-1 Communication Unit, transfer functions are achieved via wireless LAN with D5, Df, D500, D7500, D7200, D7100.

Wireless Transmitter Utility
- Must be installed on computers (can be downloaded from Nikon’s website).
- For the combination of WT-A/B/C/D and the camera (except D5), only iPhone can be used.
- Wireless Transmitter Utility that can be downloaded from the Google Play Store is required.
- Compatible OSs: iOS and Android™ OS.
Getting the most out of steady tripod shooting

Remote Cord + Long Exposure
Getting the most out of steady tripod shooting

Filters
Neutral Color RC Filters

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

Circular Polarizing Filters II

These filters enable shooting through glass windows and minimizing glare from reflective 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 CP-E and CP-8 feature a diameter of 52 mm.

HDMI Cable

ME-1 Stereo Microphone

Connects to D5, D4 series, D850, D810/810A, D750, D500, D7500, D7200, D7100, D5600, D5500, D5300, D5200, Nikon 1 V1/V2/V3

The ME-1 incorporates a vibration reduction system that minimizes vibration while taking picture, ensuring a consistent recording. Also, the built-in low-cut filter reduces noise and other frequency-related noises from the windscreen. Weighs approx. 52 g (ME-1 only)

ME-W1 Wireless Microphone

Connects to D5, D4 series, D850, D810/810A, D750, D500, D7500, D7200, D7100, D5600, D5500, D5300, D5200, Nikon 1 V1/V2/V3

The ME-W1 enables recording of sounds as far away as approx. 40 m. Simultaneous recording from both the microphone and receiver is possible. Sound input sound is achieved by attaching an ME-1 Stereo Microphone to the microphone unit. Two-way communication between a distant human subject and the photographer is also enabled.

Soft Focus Filters

Give your images a moderately soft and beautiful blur effect. Good for various shooting situations, such as portrait. Available in sizes 52/58/62/67/77 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 52/62/67/77/82/95 mm. Nikon also offers two dedicated hood options — the HN-36 for the AF-3 and the HN-37 for the AF-4. Several holes of the diameter can be stacked, depending on the focal length of the lens in use.

GSP Adapter Cord

For D5, D4 series, D850, D810/810A, D750, D500, D7500, D7200, D7100, D5600, D5500, D5300, D5200, Nikon 1 V1/V2/V3

The GSP enables simultaneous recording from both the microphone and receiver, and allows for remote control of the camera. Simply turn on the remote cord switch to activate.

ES-2 Film Digitizing Adapter

For D50

The ES-2 allows quick, easy conversion of film to digital media. Set the optional Film Digitizing Adapter onto a lens such as the AF-S Micro NIKKOR 60mm f/2.8G ED attached to the D50, insert the film to be digitized in an FK-4 Strap film Holder or work with Slide Mount Holder, and shoot. The camera's digitizing function automatically reverses the columns and stores them as JPEG images.

AR-11 Soft Shutter Release

For D1

By screwing the AR-11 into the release socket on the shutter-release button of your Nikon D1, you can enjoy soft and vibration-free shutter-release operation.

Close-up Accessories

PS-6 Slide Copying Adapter

Used with the PB-4 and a NIKKOR lens to make duplicate slides. Clipping of the original slide is possible.

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 52 mm-monted front attachment.

BR-3* Adapter Ring

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

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Anti-Glare Filters

These filters help reduce reflection. Good for general shooting situations where the reflection of the lens can be distracting. Available in sizes 52/58/62/67/77 mm.

Diffusion Filters

These filters help achieve a soft and dreamy appearance. Good for general shooting situations. Available in sizes 52/58/62/67/77 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 52/58/62/67/77 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 automatic exposure operation. Both the CP-E and CP-8 feature a diameter of 52 mm.

HDMI Cable

Connects to D5, D4 series, D850, D810/810A, D750, D500, D7500, D7200, D7100, D5600, D5500, D5300, D5200, Nikon 1 V1/V2/V3

The ME-1 enables recording of sounds as far away as approx. 40 m. Simultaneous recording from both the microphone and receiver is possible. Sound input sound is achieved by attaching an ME-1 Stereo Microphone to the microphone unit. Two-way communication between a distant human subject and the photographer is also enabled.

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## System Compatibility

### Flash

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### Flash Accessories

- SC-28/SC-29
- SU-800/SB-R200
- SU-800/SB-R200
- SB-5000/SB-700/SB-500/SB-300

### Flash Accessories

- SC-28/SC-29
- SU-800/SB-R200
- SU-800/SB-R200
- SB-5000/SB-700/SB-500/SB-300

### Remote Control Accessories

- ML-3
- MC-DC2
- MC-21/21A/22/22A/23/23A/25/25A/30/30A/36/36A
- ML-L3

### Microphones

- **Microphone**
- **Stereo Microphone**
  - ME-1
  - ME-W1

### Power Sources

- **Batteries**
  - EN-EL14a
  - EN-EL15/15a
  - EN-EL18b/18a/18a

- **Battery Chargers**
  - MH-24
  - MH-25/25a
  - MH-26a

- **Multi-Power Battery Packs**
  - MB-D12
  - MB-D15
  - MB-D16
  - MB-D17
  - MB-D18

- **AC Adapters**
  - EH-5c/5b*
  - EH-6b*

### GPS Accessories

- MC-35

### Wireless Transmitters/Wireless Mobile Adapters

- WT-7/A/B/C
- WT-6/A/B/C
- WT-5/A/B/C/D

### Wireless Remote Controllers

- WR-1
- WR-R10/WR-T10

### HDMI Cable

- HC-E1

### Negative Digifiers

- File Displaying Adapter

### Viewing Attachments

- **Adaptors/ Eyepieces/Eyecups**
  - DF-6
  - DF-4
  - DF-2
  - DF-1
  - DF-22
  - DF-22
  - DF-22
  - DF-22
  - DF-22

### Body Caps

- BF-1B

### LCD Monitor Covers

- BM-12

### Camera Cases

- CF-DC8
- CF-DC7
- CF-DC6
- CF-DC5
- CF-DC4
- CF-DC3
- CF-DC2
- CF-DC1

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1. AS-N1000 Multi Accessory Port Adapter is required.
2. When connecting the EH-5c/5b to the camera, EP-5A Power Connector (for Df, D5600, D5500, D5300, D5200, D3400, D3300, D3200) or EP-5B (for D850, D810/D810A, D750, D500, D7500, D7200, D7100, Nikon 1 V1, UT-1) is required.
3. EP-6 Power Connector is required when connecting the EH-6b to the D5 and D4 series.
4. Requires UT-1 Communication Unit.
6. DK-18 Eyepiece Adapter is required.
7. DK-22 Eyepiece Adapter is required.

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