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## FOR IMMEDIATE RELEASE

### **Introducing the Nikon SB-50DX— a compact, multifunctional Speedlight.**

Nikon Corporation is pleased to announce the introduction of the Nikon **SB-50DX** Speedlight.

The new Nikon SB-50DX has a variety of flash functions in its compact body, and is designed especially for users of Nikon SLRs with built-in Speedlights.

The SB-50DX can fire flash light with a camera's built-in Speedlight for greater flash power. It also offers various features that are not possible with built-in Speedlights, such as bounce flash capability, close-up shooting, built-in wide flash adaptor for 14mm wideangle coverage, TTL wireless slave flash, and an infrared remote commander. In addition, the SB-50DX fires Monitor Pre-flashes for 3D Multi-Sensor Balanced Fill-Flash for Nikon SLRs, including the D1-series digital SLR cameras.

The Nikon SB-50DX is a significant addition to the Nikon Speedlight lineup, offering photographers enhanced flash shooting flexibility for a wide range of applications.

### **Nikon SB-50DX Features**

- Compact and lightweight
- Allows synchronisation with built-in Speedlights\*<sup>1</sup>
- Built-in diffuser for built-in Speedlights
- 3D Multi-Sensor Balanced Fill-Flash capability, even with the D1-series digital SLR cameras
- Tilting flash head for bounce effect and close-up shooting
- Allows close-up shooting up to 30cm
- AF-Assist Illuminator
- Large, informative LCD panel with illuminator
- Built-in wide flash adaptor covers 14mm wideangle lens\*<sup>2</sup>
- TTL Wireless Slave Flash function
- Sound monitor for wireless multiple flash operation
- The supplied Infrared Filter SW-9IR enables you to use the SB-50DX as an infrared remote commander

\*<sup>1</sup> There are some limitations in camera features with the Nikon F70 and PRONEA 600i SLR cameras.

\*<sup>2</sup> Depending on scene conditions, the periphery of the image may be underexposed.

## Nikon SB-50DX Specifications

### Electronic construction

Automatic Insulated Gate Bipolar Transistor (IGBT) and series circuitry.

### Guide number (ISO 100, m)

Zoom-head position	14mm	24mm	28mm	35mm	50mm
Guide number	12	18	20	22	26

### Angle of coverage

Variable in four steps, plus one-step with wide-flash adaptor.

Zoom-head position	Angle of coverage	Angle of coverage	
		Vertical	Horizontal
14mm (with wide-flash adaptor)	14mm	87°	106°
24mm	24mm	60°	78°
28mm	28mm	53°	70°
35mm	35mm	45°	60°
50mm	50mm	34°	46°

**Flash duration** Approximately 1/1800 sec. at manual full output

### Bounce capacity

Flash head tilts up to 90° or down to -18° with click stops at 90°, 75°, 50°, 0° and -18°.








### Power switch

ON/OFF button is provided; pressing the ON/OFF button for approx. 0.3 sec. turns the SB-50DX on or off.

- When the SB-50DX is not used for approx. 40 sec., the standby function activates and the SB-50DX automatically turns off to conserve battery power.

**Flash exposure control/type of TTL auto flash**

Pressing the MODE button changes flash mode/type of TTL auto flash

	TTL auto flash	Automatic Balanced Fill-Flash with TTL Multi-Sensor
		Matrix Balanced/Centre-Weighted/Spot Fill-Flash
		Standard TTL Flash
<b>D</b> 	D-TTL auto flash	Automatic Balanced Fill-Flash with TTL Multi-Sensor for Digital SLR
<b>D</b> 		Centre-Weighted/Spot Fill-Flash for Digital SLR
<b>D</b> 		Standard TTL Flash for Digital SLR
	Manual flash	

**Power source** Two CR123A or DL123A-type 3V lithium batteries.

**Recycling time and number of flashes (Manual flash mode)**

Minimum recycling time: approx. 3.5 sec. with fresh batteries

Number of flashes and recycling time: 260 times or more with 3.5 to 30 sec. recycling time (With AF-Assist Illuminator activated, Power Zoom function activated, LCD panel illuminator not activated.)

**AF-Assist Illuminator**

Automatically fires LED beam toward subject when performing autofocus in dim light or in the dark with Nikon AF cameras.

**Ready-light**

Lights up when SB-50DX is charged and ready to fire. Blinks when flash fires at its maximum output, indicating light may have been insufficient (in TTL auto flash mode).

**FLASH button** Pressing FLASH button performs test firing.

- Pressing the button turns the SB-50DX on again after the unit has been automatically turned off by the standby function.

**Wide-flash adaptor**

Allows the SB-50DX to be used with 14mm lenses.

**Diffuser**

Attach diffuser to the camera's built-in Speedlight for double-flash (bounce) operation

**Sound monitor**

The SB-50DX emits a single beep when it is charged and ready to fire in wireless multiple flash operation. The SB-50DX emits two beeps when it has fired properly. The SB-50DX emits beeps for 3 sec. after it has fired at maximum output or improperly fired in TTL wireless multiple flash operation in the Auto Slave Flash mode.

**Light sensor**

Senses light received from the master Speedlight in wireless multiple flash photography.

Slave Flash mode	Effective range
Auto Slave Flash	Approx. 7m
Manual Slave Flash	Approx. 40m

**Infrared Filter SW-9IR**

Enables you to use the SB-50DX as an infrared remote commander

**Lock lever**

Prevents the SB-50DX from accidentally slipping off the camera

**LCD panel illuminator**

Turned on and off every time the SLAVE button is pressed; automatically turns off after approx. 16 sec. when the SB-50DX is not in use.

**Backside indications**

Light-condensing paint is applied to characters and symbols.

**Dimensions (W × H × D)**

Approx. 63 × 107 × 105mm

**Weight (without batteries)**

Approx. 235g

**Accessories supplied**

Soft Case SS-30, Infrared Filter SW-9IR

***Note for synchronisation with built-in Speedlight***

1. *With the Nikon F70, set the camera's exposure mode to Manual (M). With exposure mode set to other than Manual, correct exposure control cannot be executed.*
2. *With the Nikon F70 and PRONEA 600i, the power zoom function, viewfinder ready-light indications and Rear-Curtain Sync operation are not available.*