

Nikon

NIKON SPEEDLIGHTS

SB-80DX AF Speedlight

Advanced TTL Speedlight for Nikon 35mm and Digital SLR Cameras



- New Innovative Design: Focus area selector style input controller lets you control most functions of SB-80DX
- New Incremental Auto-Zoom: Automatic power zoom changes the zoom-head position incrementally to match the lens' focal length from 24mm to 105mm
- New Powerful Guide Number of 125 (ISO 100/feet) at 35mm position
- New 14mm Wide Flash Adapter: Wide flash adapter for use with lenses as wide as 114° angle of view
- New Diffusion Dome: Diffuses the light from the flash to soften shadows
- New Built-in Wireless Flash: Wireless TTL to 23 feet, Auto or Manual to 131 feet
- New Custom Settings: 8 Built-in Custom Settings
- New Standby Function: Adjust settings from 40 seconds to 300 seconds providing power saving control for multiple flash photography
- New Safety Lock System: Locking system assures positive contact between SB-80DX and SLR in use
- New Expanded Flash Compensation: Additional flash compensation control from -3 to +3 EV in 1/3 EV steps
- New Built-in Modeling Flash: Provides a visual confirmation that lets you preview shadows before photo is taken
- New AF Assist Illuminator: Up to 33 feet of AF Illuminator coverage automatically lights up when light is insufficient for accurate autofocus
- 3D Multi-Sensor Balanced Fill-Flash: With D1 Digital SLR, F5, F100, N90s and N80 35mm AF SLR cameras. Matrix Balanced Fill-Flash with N65
- Auto Aperture Flash Mode for Digital SLR: Non TTL Auto operation using Sub Command Dial to adjust apertures from camera body to SB-80DX. Light output changes as apertures are set based on flash to subject distance from readings of external sensor
- Operates with Nikon 35mm and Digital SLR camera.

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Two key concepts have driven Nikon flash innovations: automation and integration. The automation is found in Nikon's Matrix Balanced Fill-Flash, 3D Multi-Sensor Balanced Fill-Flash and multiple flash technologies. Integration is the seamless blending of flash capability with Nikon cameras' exposure systems. With Nikon Speedlights, you can capture the scene you see and the one you create in your mind's eye.

Autofocus Lens Specifications:

Type of Speedlight:	TTL auto flash speedlight with built-in AF Illuminator
Guide Number:	GN: 125 (ISO 100 at 35mm in feet)
Bounce and Rotation Capability:	Flash head tilts down to -7° or up to 90° with click stops at -7°, 45°, 60°, 75°, 90°
Flash Exposure Control for Nikon Digital SLRs:	3D Multi-Sensor Balanced Fill-Flash for D1 Series: Includes 3D Multi-Sensor Balanced Fill-Flash for D1, Multi-Sensor Balanced Fill-Flash for D1, Center weighted Fill-Flash for D1 or Standard TTL for D1; specific function employed depends on the lens in use.
Flash Exposure Control for Nikon 35mm Film SLRs:	3D Multi-Sensor Balanced Fill-Flash, Multi-Sensor Balanced Fill-Flash, Matrix Balanced Fill-Flash, Center Weighted Fill-Flash/Spot Fill-Flash, Manual Power Mode for F5, F100, N90s, N80 or N65.
Flash Output Compensation:	+3 EV to -3 EV in 1/3 EV steps
Wireless Control:	Can be used off camera with TTL control to approx. 23 feet. Up to approx.131 feet in manual mode
Slow and Rear Curtain Sync:	Controlled from camera position. Camera sets exposure from 30 seconds to highest sync speed to balance
Ready Light:	Lights up when SB-80DX 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)
Wide Flash Adapter:	Allows the SB-80DX to be used with lenses as wide as 14mm
LCD Indications:	3D Multi-Sensor Balanced-Fill Flash, Matrix Balanced Fill-Flash, Flash Output Compensation, Flash Zoom Head Position, Audible Alert Warning, No AF-Illuminator, AM, Slave Function, Back Light Available
Slave Sensor:	Senses light received from the master flash unit in wireless multiple flash operation
Zoom Range:	24-105mm
Modeling Flash:	Available
Red Eye Reduction:	Available
Power Source:	4 AA Lithium, Alkaline, NiCd or NiMH batteries (See manual)
Number of Flashes per Set of Batteries:	See chart in provided specs from manual
Dimensions (W x H x D):	Approx. 2.8 X 5 X 3.6 inches
Weight:	Approx. 11.8 oz. without battery
Provided Accessories:	Diffusion Dome SW-10H, Soft Case SS-80
Product Number:	4717 NAS

For more complete specifications and compatibility information, refer to the SB-80DX AF Speedlight instruction manual. Specifications and design are subject to change without any notice or obligation on the part of the manufacturer. 3/02

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