

# SB-500



Electronic construction	Automatic Insulated Gate Bipolar Transistor (IGBT) and series circuitry
Guide number (23 °C/73.4 °F)	24/78.7 (ISO 100, m/ft)
Angle of illumination	Covers angle of view of 24mm lens (FX format) or 16mm lens (DX format)
Effective flash output distance range in i-TTL flash control	0.6 m to 20 m (2 ft to 65.6 ft); varies with ISO sensitivity and lens aperture
Flash control modes	i-TTL flash control Manual flash control
Other available functions	Test firing, monitor pre-flashes, modeling flash
Nikon Creative Lighting System (CLS)	A number of flash operations are available with compatible cameras: i-TTL flash control, Advanced Wireless Lighting, modeling flash, FV lock, Flash (LED Light) Color Information Communication, auto FP high-speed sync
Compatible cameras	Nikon digital SLR (Nikon FX/DX format) cameras (except D1 series and D100) Nikon film SLR camera F6 COOLPIX cameras compatible with CLS (A, P7800, P7700, P7100, P7000, P6000) COOLPIX cameras compatible with i-TTL flash control
Multiple flash-unit	Advanced Wireless Lighting (commander mode/remote mode)

photography operation	
Bounce capability	Flash head tilts up to 90° from 0° with click-stops at 0°, 60°, 75° and 90° Flash head rotates horizontally 180° to the left and right with click-stops at 0°, 30°, 60°, 75°, 90°, 120°, 150°, 180°
Flash duration (approx.)	1/1100 sec. at full power
LED light maximum output level	Approx. 100 lx at 1 m (3.2 ft), high power
LED light angle of illumination	Covers angle of view of 24mm lens (FX format) or 16mm lens (DX format)
Power ON/OFF	Power switch
Power source	Use 2 AA-size batteries of the same brand from any of the following types:  1.5 V LR6 (AA-size) alkaline batteries 1.2 V HR6 (AA-size) rechargeable Ni-MH batteries  For minimum number of flashes, recycling time and duration of continuous LED light emission for each battery type, see the user's manual
Flash-ready indicator	Fully recycled: lights up Warning indication: flashes slowly
Mounting foot lock lever	Provides secure attachment of the SB-500 to camera's accessory shoe using locking plate and locking pin to prevent unintentional detachment
Other functions	Thermal cut-out, firmware update
Cameras compatible with firmware updates	Nikon digital SLR (Nikon FX/DX format) cameras compatible with CLS (except D2 series, D200, D80, D70 series, D60, D50, D40 series) COOLPIX A
Dimensions (W × H × D)	Approx. 67 × 114.5 × 70.8 mm (2.7 × 4.6 × 2.8 in.)
Weight	Approx. 273 g (9.7 oz), including 2 AA-size alkaline batteries Approx. 226 g (8 oz), body only
Accessories supplied	Speedlight Stand AS-23, Soft Case SS-DC2

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Specifications and design are subject to change without notice. Nikon will not be held liable for damages that may result from any mistakes that this manual may contain. Unless otherwise stated, all figures are for a unit with fresh batteries operating at the temperature specified by the Camera and Imaging Products Association (CIPA): 23 ±3 °C (73.4 ±5.4 °F).