

# SB-700



A compact and easy-to-use multi-functional Speedlight for Nikon digital SLR cameras

- Key Features
- Specifications

## Key Features

- LCD and layout of controls designed for easy and intuitive operation
- Multi-step auto zoom covers wide 24-120 mm zoom range
- Three illumination patterns—standard, center-weighted and even—available to match every shooting environment
- Automatically detects Nikon FX and Nikon DX formats and selects suitable light distribution angle
- Short recycling time
- AF-assist illumination for multi-point AF, with wide 24-135 mm focal range
- Quick wireless control mode allows control of remote flash unit groups A and B flash output level ratios
- Firmware updates via Nikon digital SLR cameras
- Automatically delays recycling time if temperature of flash head rises in order to avoid deterioration of flash head
- Automatically detects type of hard-type color compensation filter (fluorescent and incandescent) and automatically transmits filter information to camera for optimum white balance setting
- Optional Water Guards WG-AS1 (for D3 series), WG-AS2 (for D300 series) and WG-AS3 (for D700) protect camera's accessory shoe contact when SB-700 is mounted on a Nikon digital SLR camera
- Specifications

## Specifications

Electronic construction	Automatic Insulated Gate Bipolar Transistor (IGBT) and series circuitry
Guide number (35 mm zoom head position, FX format, Standard illumination pattern)	28/92 (ISO 100, m/ft.), 39/128 (ISO 200, m/ft.)
Illumination pattern	Three illumination patterns: standard, even and center-weighted The light distribution angle is automatically adjusted to the camera's image area in both FX and DX formats
Effective flash output distance range (in i-TTL mode)	0.6 m to 20 m (2 ft. to 66 ft.) (varies depending on camera image area setting, illumination pattern, ISO sensitivity, zoom head position and lens aperture in use)
Flash mode	i-TTL, manual flash, distance-priority manual flash
Other functions	Test firing, monitor pre-flashes, AF-assist illumination for multi-point AF, and modeling illumination
Multiple flash-unit photography operation	Advanced Wireless Lighting, SU-4 type wireless multiple flash-unit photography
Compatible cameras	All cameras compatible with Nikon Creative Lighting System (other cameras can be used but functionality is reduced)
Flash exposure control set on the camera	Camera sync modes: slow sync, red-eye reduction slow-sync, front-curtain sync, rear-curtain sync, rear-curtain slow-sync Photography functions: auto FP high-speed sync, FV lock, red-eye reduction
Bounce capability	Flash head tilts down to 7° or up to 90° with click-stops at -7°, 0°, 45°, 60°, 75°, 90° Flash head rotates horizontally 180° to the left and right with click-stops at 0°, 30°, 60°, 75°, 90°, 120°, 150°, 180°
Power source	Four AA-type alkaline (1.5V), lithium (1.5V) or Ni-MH (1.2V) batteries
Flash-ready indicator	Fully recycled: lights up Insufficient flash output for correct exposure (in i-TTL or distance-priority manual flash mode): blinks
Flash duration	Approx. 1/1042 sec. at full output
Mounting foot lock lever	Provides secure attachment of SB-700 to camera's accessory shoe using locking plate and locking pin to prevent unintentional detachment.
Dimensions (W x H x D)	Approx. 71 x 126 x 104.5 mm (2.8 x 5.0 x 4.1 in.)
Weight (without batteries)	Approx. 360 g (12.7 oz.)
Included accessories	Speedlight Stand AS-22, Nikon Diffusion Dome SW-14H, Incandescent Filter SZ-3TN, Fluorescent Filter SZ-3FL, Soft Case SS-700

- \*These performance specifications are applicable when fresh batteries are used at normal temperature (20°C/68°F)
- \*Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. September 2010

# Nikon SB-700 Speed Light

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