

ALL NEW

# *Nikon* **PRODUCT** Information

## Nikonos Speedlight **SB-103** AN AFFORDABLE UNDERWATER SPEEDLIGHT WITH TTL FLASH CAPABILITY



**Nikon**



# Nikonos Speedlight SB-103

Designed exclusively for the Nikonos-V, the amphibious Nikonos Speedlight SB-103 features TTL (through-the-lens) flash exposure control. This makes possible the use of the wide range of apertures of f/2.8 to f/22 with ASA/ISO 100 film. It is also ideal for daylight fill-in flash photography and to produce pictures with well-balanced lighting. The compact SB-103 is also tough, able to go deeper and withstand more pressure than most other underwater flash units. Manual flash control is also provided for use with either the Nikonos IV-A or the Nikonos III. For multiple flash photography, a double flash bracket and a double sync cord are available accessories, which also can take advantage of the TTL flash control with the Nikonos-V. For special lighting conditions or close-up photography, an extension arm is available.

## Accessories



## SPECIFICATIONS

### Light output control

Silicon thyristor-controlled rectifier and series circuitry; automatic TTL flash output control with Nikonos-V; Manual control: Full power, 1/4 power, 1/16 power

### Flash sync speed

On Auto: 1/90sec.; on Manual: 1/90sec. for shutter speed setting of 1/125, 1/250, 1/500 or 1/1000sec.; at 1/60sec. or lower, shutter fires at speed set

### Guide number

On land: 20 (full output); 10 (1/4 output); 5 (1/16 output)

### Angle of coverage

70° × 53° on land (covers 28mm lens angle), 90° (covers 15mm lens angle with Wide-Flash Adapter SW-103)

### Usable film speed range at TTL mode

ASA/ISO 25 ~ 400

### Usable aperture range at TTL mode

f/2.8 ~ f/22 (ASA/ISO 100)

### Multiple flash capability

Both TTL and Manual control via Double Sync Cord and Double Flash Bracket  
Four AA-type NiCd batteries or four AA-type alkaline-manganese batteries

### Power source

### Recycling time

Approx. 6 sec. with fresh set of NiCd batteries at full output; approx. 9 sec. with alkaline-manganese batteries

### Number of flashes

Approx. 50 with fresh set of NiCd batteries at full output; 130 with alkaline-manganese batteries

### Dimensions (head only)

### Weight (head only without batteries)

175mm (W) × 130mm (H) × 99mm (D)

Approx. 780g

Specifications and designs shown herein are subject to change without notice.



## NIPPON KOGAKU K.K.

Fuji Bldg., 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo 100, Japan

☎ 03-214-5311 Telex: J22601 (NIKON)

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