

NIKONOS-V

The 35mm underwater camera with Auto, Manual and TTL flash

- Underwater 35mm camera that does not require special housing; works to a depth of 50 meters
- Aperture-Priority Auto and Manual exposure modes; plus "M90" for mechanical backup shutter release of 1/90 sec., and "B" for bulb
- Automatic TTL flash control capability enables error-free underwater flash photography with optional Nikon SB-104/SB-105 Speedlight
- Synchro-sunlight or exposure compensation possible with SB-104/SB-105 for creating original exposures
- Complete underwater system includes Nikon SB-104/SB-105 TTL Speedlight, in addition to optical underwater viewfinders, underwater frame finders, close-up outfits and Nikkor underwater/land-use lenses; these Speedlights also enable TTL multi-flash capability with other Speedlights via Double Flash Bracket and Double Sync Cord

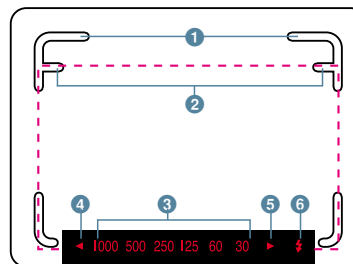




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|--------------------------------------|------------------------------------|
| 1 Frame counter | 15 Distance scale |
| 2 Film advance lever | 16 Depth-of-field indicators |
| 3 Shutter speed/mode selector dial | 17 Aperture scale |
| 4 Shutter speed/mode index | 18 Film rewind fork |
| 5 Accessory shoe | 19 Lens focusing knob |
| 6 Viewfinder | 20 Hinged film pressure plate |
| 7 Lens positioning slot | 21 Film advance sprockets |
| 8 ISO film speed dial | 22 Film takeup spool |
| 9 Film rewind knob with crank | 23 Camera back release/lock button |
| 10 Neckstrap eyelets | 24 Camera back release/lock latch |
| 11 Shutter release button lock lever | 25 Battery chamber lid |
| 12 Shutter release button | 26 Tripod socket |
| 13 Anatomical grip | 27 Flash sync socket cover |
| 14 Lens aperture knob | |

The Nikonos-V's brain

The Nikonos-V adopts the latest micro-electronics technology for accurate data analysis and computation as well as for precise operation execution—all aimed at realizing correct exposure. Easy-to-operate aperture-priority auto exposure metering, manual exposure metering, performance-proven TTL center-weighted metering, highly advanced automatic TTL underwater flash metering, and quartz-timed accurate shutter speed control on Manual.



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|---|
| 1 Film frame mark |
| 2 Parallax compensation mark |
| 3 Overexposure warning mark |
| 4 Shutter speed scale |
| 5 Underexposure/camera shake warning mark |
| 6 Flash ready-light mark |

1 Denotes the area of coverage with a 35mm lens underwater. Picture coverage is 85% (at ∞) of the actual area, so note that the actual exposed area will be broader than the area covered by this frame. When shooting to within 0.8m of the subject, parallax might cause the subject to fall out of the film area actually shot; to avoid this, you should position the subject image under the 2 mark and within the broken red line area.

- Type of camera:** Electronically controlled 35mm amphibious focal plane shutter camera
- Construction:** Body made of die-cast copper silumin oxidized aluminum alloy; all joints sealed by O-ring gaskets to ensure absolute watertightness; camera able to withstand pressures to a depth of 50m (160 ft.)
- Usable film:** Standard 35mm film
- Picture format:** 24mm × 36mm [standard 35mm (135) format]
- Lens mount:** Nikonos bayonet mount
- Lenses:** Dedicated Nikonos Lenses; five additional lenses from super-wideangle to medium telephoto available
- Viewfinder:** Reverse Galilean-type Albada finder built into camera for use with standard 35mm lens; film frame marks show approx. 85% picture coverage at infinity (∞); 0.55× magnification; +0.9m⁻¹; high eyepoint allows viewing with eye 40mm away from finder; parallax compensation marks provided; optical viewfinders or frame finders available for dedicated Nikonos lenses
- Viewfinder information:** LED shutter speed indications; LED over- and under-exposure warning arrows; thunderbolt-shaped ready-light
- Shutter:** Electronically controlled vertical-travel metal focal-plane type
- Shutter speeds:** A (AUTO): Electronically controlled stepless speeds from 1/30 to 1/1000 sec.; M (MANUAL): Quartz-controlled speeds from 1/30 to 1/1000 sec.; M90 (MECHANICAL): Mechanically controlled at 1/90 sec.; B (BULB): Mechanically controlled for long exposures; R (REWIND): Setting used when rewinding film
- Shutter release:** Button at top of anatomical grip; initial pressure on button switches on meter, meter remains on for 16 sec. after finger is removed; shutter release lock incorporated
- Exposure control:** Two exposure control modes: A (aperture-priority auto) and M (manual) modes provided
- Exposure metering:** Through-the-lens (TTL) light intensity feedback metering; TTL flash with SB-105 and others
- Metering range:** EV 8 to 19 at ISO 100 with f/2.8 lens (from 1/30 sec. at f/2.8 to 1/1000 sec. at f/22)
- Film speed range:** ISO 25 to 1600
- Accessory shoe:** Provided; built into top of viewfinder
- Flash synchronization:** X-sync only via flash socket in camera's base; synchronizes at 1/90 sec. or slower; with Nikonos SB-104 and other Speedlights, shutter speed automatically switches to 1/90 sec. when shutter speed/mode selector dial is at "A" or at 1/125 or higher in manual mode; at 1/60 sec. or slower on manual, shutter fires at speed set

- Flash ready-light:** Thunderbolt-shaped LED in viewfinder lights up when SB-104, SB-105 and others have recycled; blinks to warn of insufficient light output, improper shutter speed/mode selector dial setting, and film speed setting beyond ISO 400 for TTL flash operation
- Film advance lever:** Wound in single stroke or series of strokes; 144° winding angle; hinged for compact storage
- Frame counter:** Additive type; advances one frame with each complete stroke of film advance lever whether film is loaded or not; resets when camera back is opened
- Film rewind:** Manual via film rewind crank after shutter speed/mode selector dial is set to "R" (Rewind); shutter release button is automatically locked
- Camera back:** Hinged type with camera back locking pin; opened and locked via camera back lock/release latch and camera back release button
- Pressure plate:** Hinged type, attached to camera body; locking catch provided
- Tripod socket:** Located at base plate of camera body; 1/4 (diameter, JIS standard)
- Batteries:** One 3V CR 1/3N lithium battery, two 1.55V SR44 silver-oxide batteries or two 1.5V LR44 alkaline battery
- Battery check:** Possible when shutter speed/mode selector dial is at any setting except M90, B, R, and frame counter is at or beyond "1"; viewfinder LED lights to indicate proper battery installation and sufficient battery power when shutter release button is depressed; if batteries are exhausted, replace with fresh ones
- Body finish:** Black with orange, or black with moss-green
- Dimensions (W × H × D):** Approx. 146 × 99 × 58mm or 5.7 × 3.9 × 2.3 in.
- Weight :** Approx. 700g or 24.7 oz.
(w/o batteries, body only)

Important!

To prevent water from entering camera body, be sure to wipe all traces of water from camera before opening or closing camera back. Make certain O-ring is thoroughly covered with recommended lubricant. *(Do not use silicon grease as it may cause damage and water leakage.)*

When removing lenses or cords, hold the camera with lens pointing downward.
Before re-installing, remove all traces of water from lens mount or cord receptacle.

All specifications apply when fresh batteries are used at normal temperature (20°C/68°F). Specifications and designs are subject to change without any notice or obligation on the part of the manufacturer.
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