

Nikon Flash Guide Numbers

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Nikon Flash Guide Numbers

The flash guide number (GN) is a measure of the distance at which the flash can illuminate a subject. The higher the guide number, the greater the distance at which the light from the flash is sufficient for optimal exposure. The formula for calculating the guide number is as follows: Guide number (GN)=distance (meters) × aperture (f-number)

Flash Level (Guide Number) - Nikon | Imaging Products

Guide Number: 197' (60 m) at ISO 100 ... for the flash-head zoomed to 200mm Guide Number: 118' (36 m) at ISO 100 ... for the flash-head zoomed to 35mm. The GN of 118 is close enough to the Nikon's that the explanation is the same for 35mm flash-head zoom. For the flash zoomed to 35mm, the aperture would be 118/10 = f/11

Tutorial: How to use the guide number of your flash

Guide numbers look something like, 12/39 at ISO 100 and 17/56 at ISO 200, in each case the smaller number relates to metres and the larger one to feet. The example here is for the inbuilt flash in the D300.

Flash Guide Numbers on Nikon Flash

One stop = 2x, two stops = 4x, three stops = 8x, four stops = 16x more power. So for example, consider two flashes, with guide numbers of 40 and 80 (feet). Assuming ten feet, and both at the same ISO and zoom value, they compare as f/4 and f/8, which is 2 EV stops exposure difference.

Compare Power Rating of Camera Flashes with Guide Numbers

Nikon's current flash technology is called i-TTL, and they offer five different external flash options. So far all of those i-TTL flashes have three-digit model numbers in the form of SB-n00 (e.g. SB-600, SB-900 and there is also an SB-R200) while the older, non-i-TTL flashes have two-digit model numbers (e.g. SB-28 and SB-80 DX).

Guide to Nikon TTL Flashes - Photo.net - Articles

[Flash Name] with Guide Number (GN) of 141 ft. / 43m Sometimes the ISO value will be stated, but if it isn't just remember that all guide numbers are calculated at ISO 100. The only value ever reported as the guide number is the flash to subject distance in both feet and meters.

Flash Guide Number - The Digital SLR Guide

Guide Number is a solution to deal with the Inverse Square Law. Flash intensity falls off with distance. Guide Number (GN) is a numerical method used to determine exposure of direct flash for Manual flash power levels, to automatically deal with the Inverse Square Law, making the math be trivial.

Understanding Camera Flash Guide Numbers, plus GN Calculator

Hi all - I'm trying to make sense of how to use flash guide numbers with a speedlight (Nikon SB-5000) and have a few questions. 1. Guide number and zoom head: Per the manual, the GN (113 feet) is for "35mm zoom head." The manual doesn't have a chart with values at other zoom levels, etc., just the one spec.

Using guide numbers with speedlight: Beginners Questions ...

GN = Subject Distance from Flash Source x f/Stop. Guide numbers are based on a simple mathematical equation that states: the light output of an electronic flash is equal to the distance of the flash unit from the subject multiplied by the lens aperture, or f/stop.

Understanding Guide Numbers | B&H Explora

The guide number here (full power setting, ISO 100, and normal-angle coverage) is 37 for calculations made in meters (yellow arrow) and 120 for feet (orange). For instance, on the foot scale, f /4 × 30 ft = 120, as do both f /8 × 15 ft and f /16 × 7.5 ft. In meters, f /1.4 × 26 m = 37 as do f /22 × 1.7 m and every combination between.

Guide number - Wikipedia

Metz is giving you a guide number of 64 that is calculated with the flash head zoomed out to its narrowest angle of view. A flash will have a different guide number for each zoom level. -- hide signature --

WHAT IS the guide number at ISO 100 for Nikon SB910 ...

It was Nikon's best flash until the complex SB-900 arrived in 2008. THe SB-800 works with every Nikon camera made for the past 40 years. It's the only flash, along with the almost identical SB-600, that works properly with the D70 and the new i-TTL exposure system. I have a page comparing the SB-600 and SB-800 here.

Nikon SB-800 SB800 - Ken Rockwell

1-1/128 in 1/3 stops, except no steps between full and 1/2 power. If you want 1/3 stops between full and half, set it at MENU > [M]. GN (Guide-number) In this mode, if you tell the SB-700 how far away is your subject, it will calculate and use the correct manual power level for you.

Nikon SB-700 - Ken Rockwell

The Nikon SB-300 AF Speedlight is a compact Speedlight flash for D-SLR and hot-shoe equipped COOLPIX cameras. ... Guide Number. 18 m/59 ft. (at ISO 100) Lens Coverage. 18/27 to 200mm (DX/FX-format, Automatic mode) Bounce Function (Tilt)

Nikon SB-300 AF Speedlight | Speedlight Flash for Nikon D ...

Guide Number of 30/98 [ISO100,m/ft], 42/138 [ISO200,m/ft] (at 35mm zoom) Auto zoom of 24 to 85mm, extendable to 14mm with built-in wide-flash adapter. Wide area AF Assist Illuminator Advanced Wireless Lighting available when used as a remote unit

Nikon | Imaging Products | SB-600

Unlike other Nikon SLR models the F90-Series/N90 camera Note that a guide number for FP High-Speed Sync Flash and the SB-25 allow you to use faster shutter speeds up to varies with the selected shutter speed and it is smaller than 1/4000 sec.

NIKON SB-25 INSTRUCTION MANUAL Pdf Download | ManualsLib

Here is a used very good Nikon SB-900 Speedlight Camera Flash Instruction Book / Manual / User Guide in SPANISH. Enlarge the photos for inspection and general idea of what you are getting. If you have any questions or need more information or photos, please ask before you buy or bid. Sold as is, all sales are final.

SPANISH Nikon SB-900 Speedlight Camera Flash Instruction ...

With a host of pro flash features including: precision i-TTL flash control, Manual with Power Ratio, three illumination patterns for specific shooting environments, wide zoom range from 17-200mm, and streamlined controls and menus—it's no wonder that Nikon is the overwhelming choice when it comes to flash photography.

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