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## **Flash Guide Number Digital Photography**

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

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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**

GN = Subject Distance  
from Flash Source x  
f/Stop. Guide numbers  
are based on a simple  
mathematical equation

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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  $f/\text{stop}$ .

### **Understanding Guide Numbers | B&H Explora**

The flash guide number (GN) is a measure of the distance at which the flash can illuminate a subject. The higher the

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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**

Flash Guide Number

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Distance, Aperture and ISO. In order to understand how a flash guide number is calculated, you first have to understand... A Balanced Exposure. Ideally, you'd like to capture photos that look like #3 all the time - but this is sometimes... Flash Guide Number Formula. Before we dig ...

**Flash Guide Number**  
*Page 7/23*

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## - **The Digital SLR Guide**

Guide Number, usually abbreviated GN, determines power rating of flash unit that describes how powerful flash unit is and how far it can shoot. In another word, GN specifies the power of an electronic flash in a way that it can be used to determine the right f-stop to use at a particular shooting distance and ISO



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## Photography

### **Understanding Flash's Guide Number (GN) — Daily ...**

Your flash's Guide Number (GN) is determined at 100 ISO, when it gives correct exposure at a certain distance, multiplied by the f-stop. The idea that we can figure out the manual flash exposure by the combination of distance and aperture

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(for a given ISO setting), was covered in these recent topics:

## **Tutorial: How to use the guide number of your flash**

A flash's power is determined by its Guide Number, with low Guide Numbers (GN) indicating a weak or less powerful flash than one with a high GN. For ease of comparison, most flash GNs are rated for an

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ISO 100 film. If you use a film with a lower ISO the GN will be lower, and, conversely, if you use a higher speed film the GN will be higher.

### **Flash Photography - Understanding Guide Numbers**

They have a guide number of 60 meters, calculated at ISO100 and a full flash zoom setting of 200mm. The more expensive Sony units, for example,

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have the same guide number but are calculated at a flash zoom setting of 105mm.

### **Guide Numbers Explained for Manual Flash - Calculator ...**

Guide numbers are the standardized, numerical way of determining the power of a flash, with a higher guide number representing a more

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powerful flash. A guide number is the product of multiplying the f/stop of an exposure with a given distance, at ISO 100; or  $GN = f/\text{number} \times \text{distance}$ .

## **A Guide to On-Camera Flash | B&H Explora**

When setting photoflash exposures, the guide number (GN) of photoflash devices (flashbulbs and electronic devices

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known as "studio strobes", "on-camera flashes", "electronic flashes", "flashes", and "speedlights") is a measure photographers can use to calculate either the required f-stop for any given flash-to-subject distance, or the required distance for any given f-stop.

## **Guide number - Wikipedia**

Check out our video to

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learn about the Flash  
Guide Number and how  
to measure it. ... Long  
Exposure Photography  
Guide and Tips ...  
Outdoor Speedlight  
Portraits: Ep. 201:  
Digital Photography 1  
on 1 ...

## **Flash Guide Number | Beginners Tutorial | Photography Tips**

The effective range-  
and therefore the  
guide number- of any  
flash will be affected

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by the use of diffusers, soft boxes, or any other type of flash modifier, as well as whether the flash head is zoomed out or not. Also, remember that guide numbers are usually calculated based on a full-frame (35mm equivalent) sensor.

### **Making Sense of Your Flash's Guide Number - DIY Photography**



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Flash guide number is one means of measuring the brightness of a flash, and is generally the preferred method used for describing on-camera speedlights. It offers one advantage over the use of...

### **The Best Camera Flashes for 2020, for On ... - Digital Trends**

The fully-articulating flash head is useful for

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bouncing light, and with a guide number of 197 feet (at ISO 100 and 200mm zoom), it has plenty of reach to illuminate subjects at long range. It is...

### **The Best Cheap Camera Flashes for 2020 | More Flash for ...**

We hope you enjoyed our Beginner's Guide to Flash Photography! If you've mastered the foundation of flash

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photography be sure to check out our more advanced off-camera flash courses to learn creative tips and techniques to up your flash game or purchase our comprehensive Flash Photography Training System which includes Lighting 101, 201, 3 ...

### **Beginner's Guide to Flash Photography - Tips, Tricks and ...**

A Guide Number (GN)

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signifies that the flash is more powerful. The bigger guide number indicates that subjects far away from the photographer can also be illuminated easily. The guide number is calculated by using the following formula:  
(Guide Number = Aperture x Subject to Flash Distance)

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Set flash output to 1/32 on your flashgun as a starting point (we can increase the power if necessary later). Now hold or position a reflector to the side of the subject – the side opposite the...

### **Flash photography made easy: from simple shots to advanced ...**

The flash head can zoom, with a maximum guide number when

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zoomed out iof 32 (m @ ISO100) and the flash covers the field of a 50mm lens on a full frame camera (32mm on an APS -C sensor camera). When zoomed back for maximum coverage it can cover a 24mm lens on a full frame camera (15mm on an APS -C camera) with a guide number of 24 (m @ ISO100).

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