

Basic Digital photography.



1) Basic Stuff:

Digital camera:

Pixels and mega pixels:

Zoom/ digital zoom:

VR:

Focus lock:

Focus: auto: (see below for more info)

-manual:

**** Aperture:**

****Shutter speed:**

****ISO:**

Exposure: (bath tub drawing)

Flash:

auto (only in "Auto" mode)

force flash

flash off

red eye reduction. (2 modes)

rear and slow

Exposure compensation:

Memory cards:

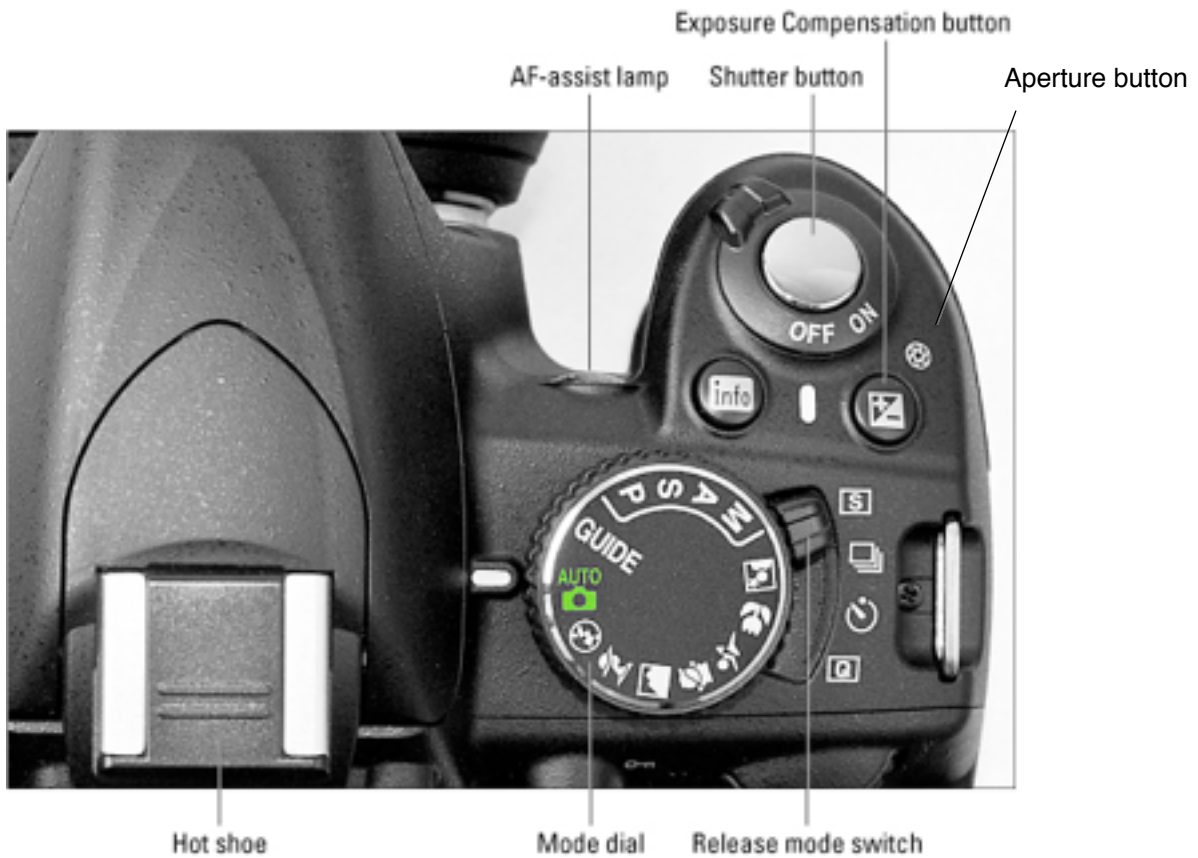
Nikon D3100

Get to Know the Controls on Your Nikon D3100 Digital Camera

Here's a quick reference guide to the buttons, dials, and other external controls on your D3100.








Note that the lens shown is the Nikkor 18–55mm AF-S DX (Vibration Reduction) model sold with the D3100 kit; other lenses may not have the same controls.









2) Automatic Exposure modes (on the top dial)

For people new to digital SLR cameras, the D3100 offers the following automatic settings that enable point-and-shoot photography. To access modes other than Auto and Auto Flash Off, set the Mode dial to Scene. The monitor then displays a list of the 19 available Scene modes; the ones listed here represent those you'll find handy on the most regular basis.

<i>Symbol</i>	<i>Exposure Mode</i>	<i>Description</i>
	Auto	Completely automatic photography; the camera analyzes the scene and tries to choose settings that produce the best results.
	Auto Flash Off	Same as Full Auto, but with flash disabled.
	Portrait	Designed to produce softly focused backgrounds for flattering portraits.
	Landscape	Designed to keep both near and distant subjects in sharp focus.
	Sports	Selects faster shutter speed to capture moving subjects without blur.
	Close Up	Produces softly focused backgrounds especially suitable for close-ups of flowers and other nature subjects.
	Night Portrait	Same as Portrait, but with flash mode set to Slow-Sync, resulting in a slower shutter speed to produce softer lighting and brighter backgrounds.

3) Advanced Exposure modes (on the top dial)

To really take creative control with your Nikon D3100, step up to one of these four exposure modes, which enable you to adjust aperture (f-stop) to manipulate depth of field (the zone of sharp focus) and to adjust shutter speed to determine whether moving objects appear sharply focused or blurry. You also gain access to some features not available in the fully automatic modes, such as the option to adjust flash power and tweak white balance.

<i>Symbol</i>	<i>Exposure Mode</i>	<i>Description</i>
	Programmed Autoexposure	Camera selects both the f-stop and shutter speed to ensure proper exposure, but the user can choose from multiple combinations of the two settings.
	Aperture-priority Autoexposure	The user selects f-stop, and the camera selects the shutter speed that will produce a good exposure.
	Shutter-priority Autoexposure	The user sets shutter speed, and the camera selects the f-stop that will produce a good exposure.
	Manual Exposure	The user controls both the shutter speed and f-stop.

**Manual Mode: must use “+/-” button to select aperture with Command Dial.

4) Detailed options:

Guide: Mode: (on top dial)

Live View:

Movie Button:

White balance: (found in Menu/ Shooting menu)

Drive mode:

-single:

-multiple:

-self timer:

-Q:

Light metering mode:

-matrix:

-center-weighted:

-spot:

Auto focus modes:

A) Area mode:

-single point:

-dynamic area:

-auto area:

-3d tracking:

B) Focus mode:

-**AF-A**, auto servo:

-**AF-S**, single servo:

-**AF-C**, continuous servo:

-**MF**, manual focus:

Quality of picture settings:

-Image Size:

-Image quality:

Histogram: (able to view graph of photo when replaying and toggling between screens)

5) Back screen info:

You can adjust everything on the right side by hitting the “!” button on the bottom left of the back of the camera!

1	Shooting mode	16	Help icon
2	Aperture (f-number)	17	Exposure indicator
3	Shutter speed		Exposure compensation indicator
4	Shutter speed display		Electronic rangefinder
5	Aperture display	18	Number of exposures remaining
6	Auto-area AF indicator	19	"K" (appears when memory remains for over 1000 exposures)
	3D-tracking indicator	20	Flash mode
	Focus point	21	Flash compensation
7	Eye-Fi connection indicator	22	Exposure compensation
8	Date imprint indicator	23	Image quality
9	Manual flash indicator	24	Image size
	Flash compensation indicator for optional flash units	25	White balance
10	Auto ISO sensitivity indicator	26	ISO sensitivity
11	Picture control	27	Focus mode
12	Release mode	28	AF-area mode
13	Beep indicator	29	Metering
14	Battery indicator	30	Active D-Lighting
15	GPS connection indicator	31	Movie frame size

