

THE EXPERTS WEIGH IN



Nikon D7100

PhotoMed:

The Nikon D7100 updates the popular D7000 with a resolution bump to 24.1 megapixels. It also features two user modes that we pre-program: U1 for portraits and U2 is for closeups. The less expensive Nikon models lack wireless flash capability and have a hard time competing against the less expensive Canons.

Norman Camera:

The Nikon D7100 is replacing the popular D7000 and jumps to 24.1 megapixel resolution from 16.2 mp on the D7000.



Canon EOS Rebel T3i (600D)

PhotoMed:

Currently, this is our most popular Canon model, typically sold with a Canon 100mm macro lens and Metz wireless macro flash.

Lester Dine:

Offers the Canon Rebel T3i (18mp) with a Tamron 90mm lens and Dine Dental Standardization Guide and Dine's Ring/Point Flash to make it "Accreditation photo-ready."

Norman Camera:

The Canon T3i is a good entry-level camera setup. It is capable of all AACD needs, including the ability to capture RAW and JPEG images simultaneously. It is the lightest of the DSLR setups.



Nikon D3200

Lester Dine:

Offers the Nikon D3200 (24.2mp) with Tamron 90mm lens and Dine Dental Standardization Guide and Dine's Ring/Point Flash.



Canon EOS Rebel T4i (650D)

PhotoMed:

Our #2 top-selling Canon model is the T4i with a Canon 100mm macro lens and Metz wireless macro flash. It is a newer version of the T3i that has a touchscreen LCD monitor and an upgraded processor.

Lester Dine:

Offers the Canon Rebel T4i (18.5mp) with a Tamron 90mm lens and Dine Dental Standardization Guide and Dine's Ring/Point Flash to make it "Accreditation photo-ready."

Norman Camera:

The T4i is very similar to the T3i and is an excellent choice for dental photography. Most of its upgrades are non-dental, with video features and more frames per second.



Canon EOS 60D

Norman Camera:

This model is considered a "middle of the road" DSLR cameras; is more durable, has a nice "feel" to it, but is a reasonable cost.

PhotoMed:

The 60D has a heavier build construction that can take a bit more abuse. It also features a custom exposure mode that allows us to pre-program all of the dental settings.

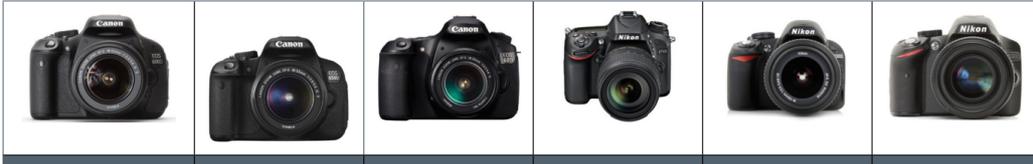


Nikon D3100

Lester Dine:

Offers the Nikon D3100 (14.2mp) with Tamron 90mm lens and Dine Dental Standardization Guide and Dine's Ring/Point Flash

Popular Canon and Nikon CAMERA COMPARISON



	Canon EOS Rebel T3i (600D)	Canon EOS Rebel T4i (650D)	Canon EOS 60D	Nikon D7100	Nikon D3100	Nikon D3200
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Body type	Compact SLR	Compact SLR	Mid-size SLR	Mid-size SLR	Compact SLR	Compact SLR
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SENSOR

Max resolution	5184 x 3456	5184 x 3456	5184 x 3456	6000 x 4000	4608 x 3072	6016 x 4000
Image ratio w:h	1:1, 4:3, 3:2, 16:9	1:1, 4:3, 3:2, 16:9	1:1, 4:3, 3:2, 16:9	3:2, 16:9	3:2	3:2
Effective pixels	18.0 megapixels	18.0 megapixels	18.0 megapixels	24.1 megapixels	14.2 megapixels	24.2 megapixels
Sensor photo detectors	18.7 megapixels	18.5 megapixels	19.0 megapixels	24.7 megapixels	14.8 megapixels	24.7 megapixels
Sensor size	APS-C (22.3 x 14.9 mm)	APS-C (22.3 x 14.9 mm)	APS-C (22.3 x 14.9 mm)	APS-C (23.5 x 15.6 mm)	APS-C (23.1 x 15.4 mm)	APS-C (23.2 x 15.4 mm)

IMAGE

ISO	Auto, 100, 200, 400, 800, 1600, 3200, 6400, (12800 with boost)	Auto, 100, 200, 400, 800, 1600, 3200, 6400, 12800 (25600 with boost)	Auto, 100, 200, 400, 800, 1600, 3200, 6400, (12800 with boost)	ISO 100 – 6400, Lo-1 (ISO 50), Hi-1 (ISO 12,800), Hi-2 (ISO 25,600)	Auto, 100, 200, 400, 800, 1600, 3200 (12800 with boost)	Auto, 100, 200, 400, 800, 1600, 3200, 6400 (12800 with boost)
Ability to capture RAW and JPEG images simultaneously?	Yes	Yes	Yes	Yes	Yes	Yes

OPTICS & FOCUS

Number of focus points	9	9	9	51	11	11
Lens mount	Canon EF/EF-S mount	Canon EF/EF-S mount	Canon EF/EF-S mount	Nikon F mount	Nikon F mount	Nikon F mount

SCREEN / VIEWFINDER

Articulated LCD	Fully articulated	Fully articulated	Fully articulated	Fixed	Fixed	Fixed
Screen size	3 in	3 in	3 in	3.2 in	3 in	3 in
Screen dots	1,040,000	1,040,000	1,040,000	1,228,800	230,000	921,000
Screen type	TFT color LCD, liquid-crystal monitor	Clear View II TFT LCD	Clear View TFT color LCD	Wide Viewing Angle TFT-LCD monitor	TFT LCD monitor	TFT LCD with 160° viewing angle
Viewfinder coverage	95 %	95 %	96 %	100 %	95 %	95 %
Viewfinder magnification	0.85x	0.85x	0.95x	0.94x	0.8x	0.8x

PHOTOGRAPHY FEATURES

Maximum shutter speed	1/4000 sec	1/4000 sec	1/8000 sec	1/8000 sec	1/4000 sec	1/4000 sec
External flash	Yes (Hot-shoe, Wireless plus Sync connector)	Yes (Hot-shoe, Wireless plus Sync connector)	Yes (Hot-shoe, Wireless plus Sync connector)	Yes (Hot-shoe, Wireless)	Yes (Hot-shoe)	Yes (Hot-shoe)
Continuous drive	Yes (3.7 fps)	Yes (5 fps)	Yes (5.3 fps)	Yes (6 fps)	Yes (3 fps, unlimited JPEG)	Yes (4 fps)
Exposure compensation	±5 (at 1/3 EV, 1/2 EV steps)	±5 (at 1/3 EV, 1/2 EV steps)	±5 (at 1/3 EV, 1/2 EV steps)	±5 (at 1/3 EV, 1/2 EV steps)	±5 (at 1/3 EV steps)	±5 (at 1/3 EV steps)

VIDEOGRAPHY FEATURES

Format	MPEG-4 and H.264	H.264 and Motion JPEG	H.264	MPEG-4 and H.264	MPEG-4	MPEG-4 and H.264
Resolutions	1920 x 1080 (30, 25, 24 fps), 1280 x 720 (60, 50 fps), 640 x 480 (60, 50 fps)	1920 x 1080 (30, 25, 24 fps), 1280 x 720 (60, 50 fps), 640 x 480 (60, 50 fps)	1920 x 1080 (29.97, 25, 23.976 fps), 1280 x 720 (59.94, 50 fps), 640 x 480 (59.94, 50 fps)	1920 x 1080 (60, 50, 25, 24 fps), 1280 x 720 (60, 50 fps), 640 x 424 (30, 24 fps)	1920 x 1080 (24 fps), 1280 x 720 (30, 25, 24 fps), 640 x 424 (24 fps)	1920 x 1080 (30, 25, 24 fps), 1280 x 720 (60, 50 fps), 640 x 424 (30, 25 fps)

CONNECTIVITY

USB	USB 2.0 (480 Mbit/sec)					
Wireless	Eye-Fi Connected	Eye-Fi Connected	Eye-Fi Connected	Built-In	Eye-Fi Connected	Optional

PHYSICAL

Environmentally sealed	No	No	Yes (Water and Dust resistant)	Yes (Water and dust resistant)	No	No
Battery Life (CIPA)	440	440	1100	950	550	540
Weight (inc. batteries)	570 g (1.26 lb / 20.11 oz)	575 g (1.27 lb / 20.28 oz)	755 g (1.66 lb / 26.63 oz)	765 g (1.69 lb / 26.98 oz)	505 g (1.11 lb / 17.81 oz)	505 g (1.11 lb / 17.81 oz)
Dimensions	133 x 100 x 80 mm (5.24 x 3.94 x 3.15 in)	133 x 100 x 79 mm (5.24 x 3.94 x 3.11 in)	145 x 106 x 79 mm (5.71 x 4.17 x 3.11 in)	136 x 107 x 76 mm (5.35 x 4.21 x 2.99 in)	124 x 96 x 75 mm (4.88 x 3.78 x 2.95 in)	125 x 96 x 77 mm (4.92 x 3.78 x 3.03 in)