



*At the heart of the image™*

# DIGITAL SLR COMPARISON GUIDE

**SUMMER COLLECTION 2008**



# Nikon DIGITAL SLR CAMERAS

THE POWER OF DIGITAL PHOTOGRAPHY DEFINED

The sheer power, speed, control, and versatility to match the creative demands of the world's award-winning professional photographers. The ease of use that allows beginners to faithfully preserve unforgettable family moments. Whatever your priorities, Nikon digital SLRs offer the innovative technology, precision engineering, and reliably superior performance to produce breathtaking images that make you proud.



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© Rod Planck



© Mike Corrado



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© Charles Orrico



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**Nikon offers a comprehensive and exciting lineup of innovative digital SLR cameras whose many exclusive technologies deliver extraordinary image quality. Our new flagship D3 and the agile D700, our latest addition, both feature an FX-format (23.9 x 36mm) imaging sensor and other innovations, redefining the power and versatility of digital photography for uncompromising professionals and enthusiasts.**

The new D300, our most advanced DX-format digital SLR, will inspire professionals and committed amateurs alike with its agility, speed, and spectacular imaging performance, and the D80 offers skilled and passionate hobbyists the features, functions and image quality essential to fulfilling their vision. The remarkably compact D60 and D40 cameras offer the image quality and precision of digital SLRs, without complication, making it possible for everyone to preserve special moments perfectly.

Every model offers the distinct advantage of compatibility with legendary autofocus NIKKOR lenses. All the featured Nikon digital SLRs allow you to take advantage of Nikon's newest cutting-edge wireless-enabled Speedlight, the SB-900, as well as the formidable SB-800, SB-600 and SB-400—all with i-TTL flash-control technology. In addition, all are fully compatible with one of the amazing Wireless Close-Up Speedlight Systems.

Whatever Nikon digital SLR you choose, you will possess the power and performance you need to create outstanding images that reflect your unique vision.

# DIGITAL SLR CAMERAS

## THE POWER OF DIGITAL PHOTOGRAPHY DEFINED



© Lucas Gilman



Top: © Chris Alvanas, Bottom: © Maynard Switzer



### **D3**

#### **EXTRAORDINARY SPEED... UNCOMPROMISED VERSATILITY**

Redefining professional digital photography, the groundbreaking Nikon D3 digital SLR delivers both extraordinary speed and ultra-high resolution — at up to 9 fps, with exceptional low-noise performance at up to 6400 ISO. The Nikon original 12.1-megapixel FX-format (23.9 x 36mm) CMOS sensor, teamed with exclusive Nikon EXPEED digital image processing concept, faithfully captures incredible edge-to-edge sharpness, rich color depth, and broad tonal range for astonishing images and unparalleled professional versatility.



### **D700**

#### **POWER THAT EMPOWERS... AGILITY MEETS FXABILITY**

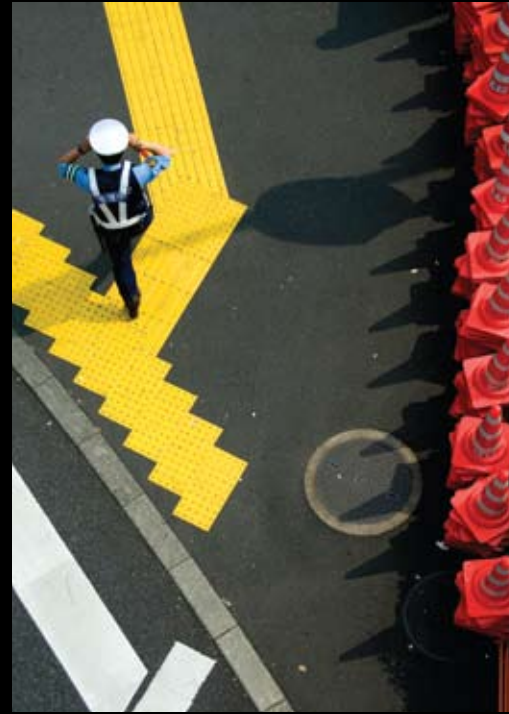
Nikon's latest FX-format D-SLR, the D700 can achieve many of the same groundbreaking imaging feats as the legendary D3, whose 12.1-megapixel imaging sensor it shares — but in a more compact and lightweight body. Nimble, fast, and capable of astonishing nuance, the D700 captures seductively smooth tones and renders every detail with unsurpassed clarity, producing virtually noise-free images at up to ISO 6400.



### **D300**

#### **EXCEPTIONAL AGILITY... INSPIRED PERFORMANCE**

Agility, speed, and spectacular imaging performance converge in the Nikon D300 to create an amazingly versatile digital SLR that is ready to capture your vision — at up to 6 fps (8 fps with the optional MB-D10 multi power battery pack). With a high-resolution, 12.3-megapixel DX-format CMOS image sensor and many advanced features inherited from the flagship D3 D-SLR, including the EXPEED digital image processing concept, the D300 takes the DX-format to a new level.



Top: © Sean Arbabi, Bottom: © David Mendelsohn

Top: © Mirjam Evers, Bottom: © Tony Arruza

© Arthur Meyerson



## D200

**FASTER. SMARTER.  
STRONGER.**

Faster when it counts, more rugged where it matters, and more intelligent where it's essential, the Nikon D200 digital SLR assures breathtaking performance and image quality that will gratify demanding photographers. Featuring a 10.2-megapixel DX-format CCD image sensor and 11-area AF system, the D200 performs to an exclusive standard achievable only with Nikon.



## D80

**EXPERT DESIGN...  
USE WITH PASSION**

The versatile Nikon D80 digital SLR expands the capabilities of aspiring photographers with its 10.2-megapixel DX-format CCD image sensor and high-resolution image-processing engine, which features technology developed for our professional cameras. The improved 11-area AF system, 2.5-inch wide-angle LCD monitor, In-Camera Editing, and other advanced features deliver exciting, responsive performance and a powerful way to create exceptional images.



## D60

**INCREDIBLE PICTURES...  
INCREDIBLE POSSIBILITIES...  
INCREDIBLY EASY!**

The D60 digital SLR delivers all the power and versatility of the DX-format, with a 10.2-megapixel image sensor, Nikon's original EXPEED image processing concept, an innovative dust reduction system, and much more. Just as impressive, though, is all the fun it delivers, with In-Camera Editing, on-board help, a compact body, and when you need it, fully automatic operation, for stunning pictures without complications. With the D60, you get both great pictures and loads of picture-taking fun.



## D40

**INCREDIBLE PICTURES...  
EVEN EASIER**

Nikon's smallest digital SLR ever, the D40 packs high-performance, advanced features an exceptional ease-of-use in a compact, beautifully styled body, ready to go everywhere. With a 6-megapixel CCD imaging sensor, advanced 3-D Color Matrix Metering II, quick startup and fast shutter response, you're sure to capture more of the pictures you really want.

# NIKKOR LENSES

## A DEFINING STRENGTH OF THE Nikon SYSTEM

Among the many good reasons for purchasing a Nikon digital SLR camera, the best, for most photographers, is the exceptional image quality made possible by NIKKOR lenses. With our passionate commitment to lens manufacturing, from the design through to production of our own glass, NIKKOR lenses continue to deliver innovative optical technology, superior mechanical operation and unsurpassed imaging performance.

## Nikon OFFERS AN EXTENSIVE SELECTION OF NIKKOR LENSES,

featuring 58 precision-engineered interchangeable lenses, 47 of which deliver Nikon's fast and accurate autofocus capability, enabling photographers to meet virtually any photographic challenge. For more information on the complete assortment of NIKKOR lenses, visit [www.nikonusa.com](http://www.nikonusa.com)



### AF-S NIKKOR 14-24MM f/2.8G ED

- Fast, ultra wide-angle AF-S zoom
- 2 ED-(Extra-low Dispersion) Glass Elements
- Exclusive Nano Crystal Coat



### AF-S DX NIKKOR 16-85MM f/3.5-5.6G ED VR

- Compact 5.3x Zoom
- 2 ED-(Extra-low Dispersion) Glass Elements
- VR II (Vibration Reduction)



### AF-S DX ZOOM-NIKKOR 17-55MM f/2.8G IF-ED

- Fast 3.2x wide-angle zoom
- ED-(Extra-low Dispersion) Glass
- AF-S Silent Wave Motor



### AF-S DX ZOOM-NIKKOR 18-135MM f/3.5-5.6G IF-ED

- Versatile, 7.5x Zoom
- Compact, AF-S Silent Wave Motor
- ED-(Extra-low Dispersion) Glass



### AF-S DX VR ZOOM-NIKKOR 18-200MM f/3.5-5.6G IF-ED

- High performance 11x Zoom
- ED-(Extra-low Dispersion) Glass
- VR II (Vibration Reduction)



18mm



24mm



35mm



55mm



85mm

# Nikon SPEEDLIGHTS

## WHERE INNOVATION SPARKS IMAGINATION

The Nikon Creative Lighting System offers a comprehensive selection of revolutionary portable lighting tools to match virtually any need. Featuring the world's most intelligent and versatile flash technology, the system offers unprecedented levels of accuracy, automation, integration and control.

## THE Nikon WIRELESS CLOSE-UP SPEEDLIGHT SYSTEM

is offered in two configurations, R1 and R1C1, to match your specific needs. Complete and ready to go right out of the box, both configurations feature two SB-R200 Wireless Remote Speedlights, as well as a completely integrated array of system accessories, including the SX-1 Attachment Ring (for mounting SB-R200s on the lens), color filter sets, freestanding light stands, and more.



### SB-900 SPEEDLIGHT

Nikon's next-generation flagship Speedlight, the SB-900 automatically delivers optimal performance for both FX- and DX-format D-SLRs. Offering auto format recognition, a choice of light distribution patterns, and Nikon's first user-controlled Speedlight firmware updates\*, the powerful SB-900 operates as a stand-alone and as a remote or master unit to command other wireless remote Speedlights.

\*with D3 and D700 cameras



### SB-800 SPEEDLIGHT

Full featured for Nikon high-performance digital SLRs, this powerful Speedlight offers exceptional versatility for anyone looking to build a portable lighting system. It works as a powerful stand-alone Speedlight and as a remote or master unit to command other wireless remote Speedlights.



### SB-600 SPEEDLIGHT

Offering add-on power and coverage, the SB-600 is an ideal blend of performance, versatility and value. It also serves as an additional wireless Speedlight for multiple flash setups.



### SB-400 SPEEDLIGHT

Compact, lightweight, and economical, the SB-400 Speedlight combines Nikon's i-TTL intelligent flash capabilities with the utmost in simplicity. When added flash range and bounce versatility are all that's needed, the SB-400 is the perfect solution.



**AF-S NIKKOR 24-70MM f/2.8G ED**

- Fast 2.9x AF-S wide to Tele Zoom
- 2-ED (Extra-low Dispersion) Glass Elements
- Exclusive Nano Crystal Coat

**AF-S DX VR ZOOM-NIKKOR 55-200MM f/4.5-5.6G IF-ED**

- Ultra-compact 3.6x Zoom
- VR (Vibration Reduction)
- AF-S Silent Wave Motor

**AF-S VR ZOOM-NIKKOR 70-200MM f/2.8G IF-ED**

- Fast 2.8x Tele Zoom
- AF-S Silent Wave Motor
- VR (Vibration Reduction)

**AF-S VR ZOOM-NIKKOR 70-300MM f/4.5-5.6G IF-ED**

- 4.3x Tele Zoom
- ED-(Extra-low Dispersion) Glass
- VR II (Vibration Reduction)

**AF-S MICRO NIKKOR 60MM f/2.8G IF-ED**

- AF-S Macro Lens with Silent Wave Motor
- ED-(Extra-low Dispersion) Glass
- Exclusive Nano Crystal Coat



105mm

135mm

200mm

300mm

© Dave Black



**R1 OUTFIT**  
(D700, D300, D200 and D80)



**R1C1 OUTFIT**  
(D3, D60 and D40)



**SB-R200 SPEEDLIGHT**

The heart of Nikon's Wireless Close-Up Speedlight System, this unit is also perfect as an additional wireless Speedlight.

# DIGITAL SLR COMPARISON CHART



	D3	D700	D300	D200	D80	D60	D40		
Image Sensor	Effective Pixels	12.1 Million Pixels	12.1 Million Pixels	12.3 Million Pixels	10.2 Million Pixels	10.2 Million Pixels	10.2 Million Pixels	6.1 million pixels	
	Image Sensor	FX Format CMOS Sensor, 23.9 X 36mm	FX Format CMOS Sensor, 23.9 X 36mm	DX Format CMOS Sensor, 23.6 X 15.8mm	DX Format RGB CCD 23.6 X 15.8mm	DX Format RGB CCD 23.6 X 15.8mm	DX Format RGB CCD 23.6x15.8mm	DX Format RGB CCD 23.7 x 15.6mm	
	Action Dust Removal System	No	Yes	Yes	No	No	Yes	No	
Storage/Data	Image Size (pixels)	FX Format 4,256 x 2,832 [L] 3,184 x 2,120 [M] 2,128 x 1,416 [S]  DX Format 2,784 x 1,848 [L] 2,080 x 1,384 [M] 1,392 x 920 [S]  5:4 Format 3,552 x 2,832 [L] 2,656 x 2,120 [M] 1,776 x 1,416 [S]	FX Format 4,256 x 2,832 [L] 3,184 x 2,120 [M] 2,128 x 1,416 [S]  DX Format 2,784 x 1,848 [L] 2,080 x 1,384 [M] 1,392 x 920 [S]	DX Format 4,288 x 2,848 [L] 3,216 x 2,136 [M] 2,144 x 1,424 [S]	DX Format 3,872 x 2,592 [L] 2,896 x 1,944 [M] 1,936 x 1,296 [S]	DX Format 3,872 x 2,592 [L] 2,896 x 1,944 [M] 1,936 x 1,296 [S]	DX Format 3,872 x 2,592 [L] 2,896 x 1,944 [M] 1,936 x 1,296 [S]	DX Format 3,872 x 2,592 [L] 2,896 x 1,944 [M] 1,936 x 1,296 [S]	DX Format 3,008 x 2,000 [L] 2,256 x 1,496 [M] 1,504 x 1,000 [S]
	Storage Media	Dual CF memory cards	CF memory card	CF memory card	CF memory card	SD memory card	SD memory card (SDHC compatible)	SD memory card (SDHC compatible)	
	File Types	1) JPEG-3 levels Fine (1:4) Normal (1:8) Basic (1:16) 2) NEF (RAW) 12 or 14 bit selectable 3) NEF (RAW); Lossless compressed, Compressed Uncompressed 4) Uncompressed TIFF	1) JPEG-3 levels Fine (1:4) Normal (1:8) Basic (1:16) 2) NEF (RAW) 12 or 14 bit selectable 3) NEF (RAW); Lossless compressed, Compressed Uncompressed 4) Uncompressed TIFF	1) JPEG-3 levels Fine (1:4) Normal (1:8) Basic (1:16) 2) NEF (RAW) 12 or 14 bit selectable 3) NEF (RAW); Lossless compressed, Compressed Uncompressed 4) Uncompressed TIFF	1) JPEG-3 levels fine (1:4) Normal (1:8) Basic (1:16) 2) NEF (RAW); Lossless compressed, Compressed, Uncompressed	1) JPEG-3 levels Fine (1:4) Normal (1:8) Basic (1:16) 2) NEF (RAW)	1) JPEG-3 levels Fine (1:4) Normal (1:8) Basic (1:16) 2) NEF (RAW)	1) JPEG-3 levels Fine (1:4) Normal (1:8) Basic (1:16) 2) NEF (RAW)	1) JPEG-3 levels Fine (1:4) Normal (1:8) Basic (1:16) 2) NEF (RAW)
	Text Input	Up to 36 characters of alphanumeric text input is available with LCD monitor and multi-selector; stored in EXIF header	Up to 36 characters of alphanumeric text input is available with LCD monitor and multi-selector; stored in EXIF header	Up to 36 characters of alphanumeric text input available with LCD monitor and multi-selector; stored in EXIF header	Up to 36 characters of alphanumeric text input available with LCD monitor and multi-selector; stored in EXIF header	Up to 36 characters of alphanumeric text input available with LCD monitor and multi-selector; stored in EXIF header	Up to 36 characters of alphanumeric text input available with LCD monitor and multi-selector; stored in EXIF header	Up to 36 characters of alphanumeric text input available with LCD monitor and multi-selector; stored in EXIF header	Up to 36 characters of alphanumeric text input available with LCD monitor and multi-selector; stored in EXIF header
	Image Authentication	Supported: Requires optional Nikon Image Authentication Software (Windows 2000, XP, Vista Pre-installed only)	Supported: Requires optional Nikon Image Authentication Software (Windows 2000, XP, Vista Pre-installed only)	Supported: Requires optional Nikon Image Authentication Software (Windows 2000, XP, Vista Pre-installed only)	Supported: Requires optional Nikon Image Authentication Software (Windows 2000, XP, Vista Pre-installed only)	N/A	N/A	N/A	
Monitor	LCD Monitor	3.0-in., 920,000-dot, VGA, low-temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	3.0-in., 920,000-dot, VGA, low-temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	3.0-in., 920,000-dot, VGA, low-temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	2.5-in., 230,000-dot, low-temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	2.5-in., 230,000-dot, low-temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	2.5-in., 230,000-dot, low-temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	2.5-in., 230,000-dot, low-temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	
	Live View Modes	1) Hand Held: TTL Phase Difference AF w/ 51 AF focus areas 2) Tripod: focal-plane contrast AF on a desired point within a specific area 3) Remote using PC and optional Camera Control Pro 2 software	1) Hand Held: TTL Phase Difference AF w/ 51 AF focus areas 2) Tripod: focal-plane contrast AF on a desired point within a specific area 3) Virtual Horizon (digital level) displayed in Live View 4) Remote using PC and optional Camera Control Pro 2 software	1) Hand Held: TTL Phase Difference AF w/ 51 AF focus areas 2) Tripod: focal-plane contrast AF on a desired point within a specific area 3) Remote using PC and optional Camera Control Pro 2 software	No	No	No	No	No
	Playback Function	1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display	1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display	1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display	1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display 8) Auto image rotation	1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display 8) Auto image rotation	1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display 8) Auto image rotation 9) Retouch history 10) Stop-Motion Movie	1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display 8) Auto image rotation 9) Retouch history	1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display 8) Auto image rotation 9) Retouch history
Compatible Lenses	Lens Mount	Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet	
	Compatible Lenses	All functions possible with all AF NIKKOR lenses (including: AF-I, AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF NIKKOR lenses (including: AF-I, AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF NIKKOR lenses (including: AF-I, AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF NIKKOR lenses (including AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. IX NIKKOR lenses cannot be used. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF NIKKOR lenses (including AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. IX NIKKOR lenses cannot be used. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF-S and AF-I NIKKOR lenses. All functions except AF with all other G or D type AF-NIKKOR lenses. Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. IX NIKKOR lenses cannot be used. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF-S and AF-I NIKKOR lenses. All functions except AF with all other G or D type AF-NIKKOR lenses. Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. IX NIKKOR lenses cannot be used. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	



# DIGITAL SLR COMPARISON CHART



D3

D700

D300

D200

D80

D60

D40

Exposure (Continued)	Exposure Modes	1) Programmed Auto with flexible program 2) Shutter-Priority Auto [S] 3) Aperture-Priority Auto [A] 4) Manual	1) Programmed Auto with flexible program 2) Shutter-Priority Auto [S] 3) Aperture-Priority Auto [A] 4) Manual	1) Programmed Auto with flexible program 2) Shutter-Priority Auto [S] 3) Aperture-Priority Auto [A] 4) Manual	1) Programmed Auto with flexible program 2) Shutter-Priority Auto [S] 3) Aperture-Priority Auto [A] 4) Manual	1) 7 Digital Vari-Programs 2) Programmed Auto with flexible program 3) Shutter-Priority Auto 4) Aperture-Priority Auto 5) Manual	1) 7 Digital Vari-Programs 2) Programmed Auto with flexible program 3) Shutter-Priority Auto 4) Aperture-Priority Auto 5) Manual	1) 7 Digital Vari-Programs 2) Programmed Auto with flexible program 3) Shutter-Priority Auto 4) Aperture-Priority Auto 5) Manual
	Exposure Compensation	±5 in EV increments of 1/3, 1/2 or 1 EV	±5 EV in increments of 1/3, 1/2 or 1 EV	±5 EV in increments of 1/3, 1/2 or 1 EV	±5 EV in increments of 1/3 or 1/2 EV	±5 EV in increments of 1/3 or 1/2 EV	±5 EV in increments of 1/3 EV	±5 EV in increments of 1/3 EV
	Auto Exposure Lock	Detected exposure value locked by pressing AE-L/AF-L button	Detected exposure value locked by pressing AE-L/AF-L button	Detected exposure value locked by pressing AE-L/AF-L button	Detected exposure value locked by pressing AE-L/AF-L button	Detected exposure value locked by pressing AE-L/AF-L button	Detected exposure value locked by pressing AE-L/AF-L button	Detected exposure value locked by pressing AE-L/AF-L button
	Auto Exposure Bracketing	2 to 9 exposures in increments of 1/3, 1/2, 2/3, or 1 EV steps	2 to 9 exposures in increments of 1/3, 1/2, 2/3, or 1 EV steps	2 to 9 exposures in increments of 1/3, 1/2, 2/3, or 1 EV steps	2 to 9 exposures in increments between 1/3 to 2.0 EV (±2 EV)	2 to 3 exposures in increments between 1/3 to 2.0 EV (±2 EV)	No	No
	Active D-Lighting	3 levels	3 levels and Auto	3 levels	No	No	1 levels	No
Custom Settings	Total custom Settings	44	50	48	44	32	11	17
	My Menu	Yes: with customization	Yes: with customization	Yes: with customization	No	Yes	Yes	Yes
	Recent Settings	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Shutter Release	Top Framing Rate	1) Up to 9 frames per second at full resolution 2) Up to 11 frames per second DX Crop - with some limitations	1) Up to 5 frames per second 2) Up to 8 frames per second with optional MB-D10 Multi-Power Battery pack	1) Up to 6 frames per second 2) Up to 8 frames per second with optional MB-D10 Multi-Power Battery pack	Up to 5 frames per second	Up to 3 frames per second	Up to 3 frames per second	Up to 2.5 frames per second
	Shutter Speed Range	30 to 1/8,000 sec. in steps of 1/3, 1/2 or 1 EV, bulb	30 to 1/8,000 sec. in steps of 1/3, 1/2 or 1 EV, bulb	30 to 1/8,000 sec. in steps of 1/3, 1/2 or 1 EV, bulb	30 to 1/8,000 sec. in steps of 1/3 or 1/2 EV, bulb	30 to 1/4,000 sec. in steps of 1/3 or 1/2 EV, bulb	30 to 1/4,000 sec. in steps of 1/3 EV	30 to 1/4,000 sec. in steps of 1/3 EV
	Shutter type	Nikon self diagnostic electronically-controlled vertical-travel focal plane shutter	Nikon self diagnostic electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter	Combined mechanical and CCD electronic shutter
	Self-Timer	2,5,10 or 20 seconds	2,5,10 or 20 seconds	2,5,10 or 20 seconds	2,5,10 or 20 seconds	2,5,10 or 20 seconds	2,5,10 or 20 seconds	2,5,10 or 20 seconds
	Remote Control	Via 10-pin remote terminal	Via 10-pin remote terminal	Via 10-pin remote terminal	Via 10-pin remote terminal	Remote via USB (mini B) connection ML-L3 Wireless Remote Control (optional)	Via ML-L3 Wireless Remote Controller (optional)	Via ML-L3 Wireless Remote Controller (optional)
Flash	Built-in Flash	No	Manual pop-up with button release	Manual pop-up with button release	Manual pop-up with button release	1) Auto flash with auto pop-up 2) Manual pop-up with button release	1) Auto flash with auto pop-up 2) Manual pop-up with button release (P, S, A, and M)	1) Auto flash with auto pop-up 2) Manual pop-up with button release (P, S, A, and M)
	Built-in Flash Guide Number	Not applicable	Approx. 56 ft rated at 200 ISO value	Approx. 55 ft rated at 200 ISO value	Approx. 55 ft rated at 200 ISO value	Approx. 59 ft rated at 200 ISO value	Approx. 55 ft rated at 200 ISO value	Approx. 55 ft rated at 200 ISO value
	Flash Modes With Compatible Nikon Speedlights <small>*For more information on Speedlight feature compatibility, please refer to the camera's brochure</small>	1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash 2) Auto Aperture 3) Non-TTL Auto	1) i-TTL Balanced Fill-Flash 2) Auto Aperture 3) Non-TTL Auto
	Flash Sync Modes	1) Front Curtain Sync (normal) 2) Slow Sync 3) Rear-curtain Sync 4) Red-eye Reduction with Slow Sync	1) Front Curtain sync (normal) 2) Slow Sync 3) Rear-curtain Sync 4) Red-eye Reduction with Slow Sync	1) Front Curtain Sync (normal) 2) Slow Sync 3) Rear-curtain Sync 4) Red-eye Reduction with Slow Sync	1) Auto 2) Fill-in Flash 3) Red-eye Reduction 4) Red-eye Reduction with Slow Sync 5) Slow Sync 6) Rear-curtain Sync 7) Off	1) Auto 2) Fill-in Flash 3) Red-eye Reduction 4) Red-eye Reduction with Slow Sync 5) Slow Sync 6) Rear-curtain Sync 7) Off	1) Auto 2) Fill-in Flash 3) Red-eye Reduction 4) Red-eye Reduction with Slow Sync 5) Slow Sync 6) Rear-curtain Sync 7) Off	1) Auto 2) Fill-in Flash 3) Red-eye Reduction 4) Red-eye Reduction with Slow Sync 5) Slow Sync 6) Rear-curtain Sync 7) Off
	Top Flash Sync TTL	1/250th sec. or 1/320th sec.	1/250th sec. or 1/320th sec.	1/250th sec. or 1/320th sec.	1/250th sec.	1/200th sec.	1/200th sec.	1/500th sec.
	Auto FP High-Speed Flash Sync	1/8,000th sec.	1/8,000th sec.	1/8,000th sec.	1/8,000th sec.	1/4,000th sec.	No	No
	Flash Compensation	N/A	-3 to +1 EV in increments of 1/3 or 1/2 EV	-3 to +1 EV in increments of 1/3 or 1/2 EV	-3 to +1 EV in increments of 1/3 or 1/2 EV	-3 to +1 EV in increments of 1/3 or 1/2 EV	-3 to +1 EV in increments of 1/3 EV	-3 to +1 EV in increments of 1/3 or 1/2 EV
	Flash Bracketing	2 to 9 exposures in increments of 1/3, 1/2, 2/3, or 1 EV steps	2 to 9 exposures in increments of 1/3, 1/2, 2/3, or 1 EV steps	2 to 9 exposures in increments of 1/3, 1/2, 2/3, or 1 EV steps	Up to 9 exposures in increments between 1/3 to 2.0 EV	2 to 3 exposures in increments between 1/3 to 2.0 EV	No	No
	Built-in Flash/Commander Mode	No Commander Option	Two-Group Wireless Commander with SB-900, SB-800, SB-600 and SB-R200 Speedlights	Two-Group Wireless Commander with SB-900, SB-800, SB-600 and SB-R200 Speedlights	Two-Group Wireless Commander with SB-900, SB-800, SB-600 and SB-R200 Speedlights	Two-Group Wireless Commander with SB-900, SB-800, SB-600 and SB-R200 Speedlights	No Commander Option	No Commander Option



	D3	D700	D300	D200	D80	D60	D40		
In-Camera Editing	Retouch Menu	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay 8) Side by side comparison	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay 8) Side by side comparison	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay	No	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Image Overlay 5) Monochrome 6) Filter Effects 7) Small Picture 8) NEF (RAW) Processing 9) Stop Motion Movie 10) Quick Re-Touch	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay	
	High ISO Noise Reduction	1) Low 2) Normal 3) High	1) Low 2) Normal 3) High, Off	1) Low 2) Normal 3) High	1) Low 2) Normal 3) High	1) Low 2) Normal 3) High	Yes	Yes	
	Long Exposure Noise Reduction	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Power	Power Source (included)	One EN-EL4a Rechargeable Li-ion Battery	One EN-EL3e Rechargeable Li-ion Battery	One EN-EL3e Rechargeable Li-ion Battery	One EN-EL3e Rechargeable Li-ion Battery	One EN-EL3e Rechargeable Li-ion Battery	One EN-EL9 Rechargeable Li-ion Battery	One EN-EL9 Rechargeable Li-ion Battery	
	Images per Battery Charge	Up to 4,700 (Nikon Measurement Standard)	Up to 1,000 (CIPA Measurement Standard)	Up to 1,000 (CIPA Measurement Standard)	Up to 1,800 (Nikon Measurement Standard)	Up to 2,700 (Nikon Measurement Standard)	Up to 500 (CIPA Measurement Standard)	Up to 470 (CIPA Measurement Standard)	
	Optional AC Power Supply	EH-6 AC Adapter	EH-6 AC Adapter	EH-6 AC Adapter	EH-6 AC Adapter	EH-5 AC Adapter	EH-5 AC Adapter requires EP-5 Adapter	EH-5 AC Adapter requires EP-5 Adapter	
Accessory	Supplied Accessories	EN-EL4a Rechargeable Li-ion Battery, MH-22 Quick Charger, UC-E4 USB Cable, EG-D2 Audio Video Cable, AN-D3 Camera Strap, BF-1A Body Cap, BS-2 Accessory Shoe Cap, BL-4 Battery Chamber Cover, USB Cable Clip, Software Suite CD-ROM. Supplied accessories may differ depending on country or area.	EN-EL3e Rechargeable Li-ion Battery, MH-18a Quick Charger, UC-E4 USB Cable, EG-D100 Video Cable, AN-D700 Strap, BM-9 LCD monitor cover, Body cap, BS-1 accessory shoe cover, Software Suite CD-ROM. Supplied accessories may differ depending on country or area.	EN-EL3e Rechargeable Li-ion Battery, MH-18a Quick Charger, UC-E4 USB Cable, EG-D100 Video Cable, AN-D300 Strap, BM-8 LCD monitor cover, Body cap, DK-5 Eyepiece Cap, DK-23 Rubber Eyecup, Software Suite CD-ROM. Supplied accessories may differ depending on country or area.	Rechargeable Li-ion Battery EN-EL3e, Quick Charger MH-18a, Video Cable, USB Cable UC-E4, Strap, Body cap, DK-5 Eyepiece Cap, Rubber Eyecup DK-21M, LCD monitor cover BM-6, Software Suite CD-ROM	EN-EL3e Rechargeable Li-ion Battery, MH-18a Quick Charger, EG-D2 Audio Video Cable, UC-E4 USB Cable, AN-DC1 Strap, BF-1A Body cap, DK-5 Eyepiece Cap, DK-21 Rubber Eyecup, BM-7 LCD monitor cover, Accessory shoe cover, Software Suite CD-ROM. Supplied accessories may differ in each country or area.	EN-EL9 Rechargeable Li-ion Battery, MH-23 Quick Charger, UC-E4 USB Cable, DK-20 Rubber Eyecup, AN-DC1 Camera Strap, BF-1A Body Cap, DK-5 Eyepiece Cap, BS-1 Accessory Shoe Cover, Software Suite CD-ROM. Supplied accessories may differ in each country or area.	EN-EL9 Rechargeable Li-ion Battery, MH-23 Quick Charger, UC-E4 USB Cable, Software Suite CD-ROM, DK-16 Rubber Eyecup, AN-DC1 Camera Strap, BF-1A Body Cap, BS-1 Accessory Shoe Cap. Supplied accessories may differ depending on country or area.	
	Optional Battery Pack	No	MB-D10 Multi-Power Battery Pack accepts one rechargeable Nikon EN-EL3e Li-ion battery Eight AA alkaline (LR6), Ni-MH (HR6), lithium (FR6) batteries, or nickel-manganese (ZR6) AA batteries, or one EN-EL4a battery with BL-3	MB-D10 Multi-Power Battery Pack accepts one rechargeable Nikon EN-EL3e Li-ion battery Eight AA alkaline (LR6), Ni-MH (HR6), lithium (FR6) batteries, or nickel-manganese (ZR6) AA batteries, or one EN-EL4a battery with BL-3	MB-D200 Battery pack accepts one or two rechargeable Nikon EN-EL3e Li-ion batteries or Six AA alkaline (LR6), Ni-MH (HR6), lithium (FR6) batteries, or nickel-manganese (ZR6) AA batteries	MB-D80 Battery pack accepts one or two rechargeable Nikon EN-EL3e Li-ion batteries or Six AA alkaline (LR6), Ni-MH (HR6), lithium (FR6) batteries, or nickel-manganese (ZR6) AA batteries	No	No	
Connectivity	TV Output	NTSC, PAL, HDMI	NTSC, PAL, HDMI	NTSC, PAL, HDMI	NTSC, PAL	NTSC, PAL	NTSC, PAL	NTSC, PAL	
	WiFi Functionality	FTP file transfer available and PTP/IP with optional WT-4a (IEEE 802.11a/b/g)	FTP file transfer available and PTP/IP with optional WT-4a (IEEE 802.11a/b/g)	FTP file transfer available and PTP/IP with optional WT-4a (IEEE 802.11a/b/g)	FTP file transfer available and PTP/IP with optional WT-3a (IEEE 802.11b/g)	No	No	No	
	Interface/Connectivity	USB 2.0 (Hi-Speed) (Mini-B connector) HDMI Output: supports HDMI version 1.3a, type A connector, CF card slot: supports UDMA, supports firmware updates via CF cards	USB 2.0 (Hi-Speed) (Mini-B connector) HDMI Output: supports HDMI version 1.3a, type C mini-pin connector, CF card slot: supports UDMA, supports firmware updates via CF cards	USB 2.0 (Hi-Speed) (Mini-B connector) HDMI Output: supports HDMI version 1.3a, type A connector, CF card slot: supports UDMA, supports firmware updates via CF cards	USB 2.0 (Hi-speed) (Mini-B connector); CF card slot: supports firmware updates via CF cards	USB 2.0 (Hi-speed) (Mini-B connector); SD card slot: supports firmware updates via SD cards	USB 2.0 (Hi-speed) (Mini-B connector); SD card slot: supports firmware updates via SD cards	USB 2.0 (Hi-speed) (Mini-B connector); SD card slot: supports firmware updates via SD cards	USB 2.0 (Hi-speed) (Mini-B connector); SD card slot: supports firmware updates via SD cards
	GPS	With optional MC-35 cord	With optional MC-35 cord	With optional MC-35 cord	With optional MC-35 cord	No	No	No	
Physical Specifications	Dimensions (W x H x D)	Approx. 6.3 x 6.2 x 3.4 in.	Approx. 5.8 x 4.8 x 3.0 in.	Approx: 5.8 x 4.5 x 2.9 in.	Approx: 5.8 x 4.4 x 2.9 in.	Approx: 5.2 x 4.1 x 3.0 in.	Approx. 5.0 x 3.7 x 2.5 in.	Approx. 5.0 x 3.7 x 2.5 in.	
	Weight	Approx. 2.lbs. 11oz. Without battery or memory card	Approx. 2.lbs. 1oz. Without battery, memory card or monitor cover	Approx. 1 lbs. 13oz. Without battery, memory card or monitor cover	Approx. 1 lb. 13 oz Without battery, memory card or monitor cover	Approx. 1 lb. 5 oz Without battery or memory card	Approx. 1 lb. 1 oz Without battery or memory card	Approx. 1 lb. 1 oz Without battery or memory card	



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