



DIGITAL SLR COMPARISON GUIDE

WINTER 2008

At the heart of the image™



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.

Nikon offers a comprehensive and exciting lineup of next-generation digital SLR cameras whose exclusive technologies deliver extraordinary image quality. Our new flagship D3, featuring an FX-format imaging sensor and other innovations, redefines the power and versatility of digital photography for professionals. The new D300, our most advanced DX-format digital SLR, will inspire enthusiasts and professionals alike with its agility, speed, and spectacular imaging performance,

and the D200 offers demanding photographers the quality and performance they expect. The innovative D60 captures great pictures and the fun of photography for everyone, and the D40 and D40x enable anyone to catch incredible moments.

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 Nikons cutting-edge SB-800, SB-600 and SB-400 Speedlights 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.



© Tony Sweet



© Blaine Harrington



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 pro versatility.



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 grip). With a high-resolution, 12.3-megapixel DX-format image sensor and many advanced features from the flagship D3 D-SLR, including the EXPEED digital image processing concept, the D300 takes the DX-format to a new level.



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.



© Chris Alvanas



© Dave Mendelsohn



© Rob Rudrow



© Dave Black



© Arthur Meyerson



D80 **EXPERT DESIGN... USE WITH PASSION**

The versatile Nikon D80 digital SLR expands the capabilities of aspiring photographers with its new 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 an easy 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 • D40X **INCREDIBLE PICTURES... EVEN EASIER**

Nikon's smallest digital SLRs ever, the D40 and D40X pack high performance, advanced features, and exceptional ease-of-use in compact, beautifully styled bodies ready to go everywhere. With their DX-format CCD imaging sensors—10.2-megapixels in the D40X, 6.1-megapixels in the D40—advanced 3D Color Matrix Metering II, the AF-S DX Zoom-NIKKOR 18–55mm f/3.5–5.6G ED II lens (supplied with the D40), quick startup, and the many automatic features, you'll capture more great pictures with a lot less work.

NIKKOR LENSES

THE DEFINING STRENGTH OF THE Nikon SYSTEM

Among the many good reasons for purchasing a Nikon digital SLR camera, the best, for most photographers, is 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 LINE OF NIKKOR LENSES,

including more than 45 autofocus lenses, enabling photographers to meet virtually any photographic challenge. For more information on NIKKOR lenses visit, 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 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 VR DX ZOOM-NIKKOR 18-200MM F/3.5-5.6G IF-ED

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



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



18mm



24mm



35mm



55mm



85mm

Nikon SPEEDLIGHTS

WHERE INNOVATION SPARKS IMAGINATION

The Nikon Creative Lighting System offers a comprehensive selection of revolutionary lighting tools to match virtually any need. Featuring the world's most intelligent and versatile flash units, 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-800 SPEEDLIGHT

Nikon's most powerful flagship Speedlight; full-featured for Nikon high performance digital SLRs, and anyone looking to build a compact lighting system along with other SB-800, SB-600 and SB-R200 Speedlights. 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.



SB-R200 SPEEDLIGHT

Built for Nikon's Wireless Close-Up Speedlight System, this unit is also perfect as an additional wireless Speedlight. Recommended for use with the D3 and D2XS with SU-800 Wireless Commander or D300, D200 and D80 with a built-in commander mode.



**AF-S VR DX ZOOM-NIKKOR
55-200MM F/4-5.6G 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 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 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
(D300, D200 and D80)**












**R1C1 OUTFIT
(D3, D60, D40 and D40X)**








DIGITAL SLR COMPARISON CHART



	D3	D300	D200	D80	D60	D40X	D40
Lens mount	Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet
Effective Pixels	12.1 million pixels	12.3 million pixels	10.2 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	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 23.6x15.8mm	DX Format RGB CCD 23.7 x 15.6mm
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]	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]	wv23,008 x 2,000 [L] 2,256 x 1,496 [M] 1,504 x 1,000 [S]
ISO Sensitivity Range	200 to 6,400 (ISO equivalent) in steps of 1/3 EV, LO-0.3, LO-0.7 LO-1.0, HI-0.3, HI-0.7, HI-1.0 and HI-2	200 to 3,200 (ISO equivalent) in steps of 1/3 EV, LO-0.3, LO-0.7 LO-1.0, HI-0.3, HI-0.7, HI-1.0 and HI-2	100 to 1,600 (ISO equivalent) in steps of 1/3 EV, plus HI-0.3, HI-0.7 and HI-1	100 to 1,600 (ISO equivalent) in steps of 1/3 EV, plus HI-0.3, HI-0.7 and HI-1	100 to 1,600, (ISO equivalent) in steps of 1 EV, plus Hi-1 setting (3200 equivalent)	100 to 1,600, (ISO equivalent) in steps of 1 EV, plus Hi-1 setting (3200 equivalent)	200 to 1,600, (ISO equivalent) in steps of 1 EV, plus Hi-1 setting (3200 equivalent)
Storage Media	Dual CF memory cards	CF memory card	CF memory card	SD memory card	SD memory card (SD-HC compatible)	SD memory card (SD-HC compatible)	SD memory card (SD-HC compatible)
Dust Sensor Cleaning Unit	No	Yes	No	No	Yes	No	No
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); Lossless compressed, Compressed, Uncompressed 3) Uncompressed TIFF	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)
White Balance	1) Auto (hybrid with 1,005-pixel RGB Sensor, CMOS image sensor and Scene Recognition System) 2) 7 Preset steps with fine tuning 3) Color temperature setting (Kelvin) 4) 2-9 exposure white balance bracketing	1) Auto (hybrid with 1,005-pixel RGB Sensor, CMOS image sensor and Scene Recognition System) 2) 7 Preset steps with fine tuning 3) Color temperature setting (Kelvin) 4) 2-9 exposure white balance bracketing	1) Auto (TTL white balance with 1005-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning, color temperature setting (Kelvin) 3) Preset white balance 4) White balance bracketing	1) Auto (TTL white balance with 420-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning, color temperature setting (Kelvin) 3) Preset white balance 4) White balance bracketing	1) Auto (TTL white balance with 420-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning, color temperature setting (Kelvin) 3) Preset white balance 4) White balance bracketing	1) Auto (TTL white balance with 420-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning, color temperature setting (Kelvin) 3) Preset white balance	1) Auto (TTL white balance with 420-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning, color temperature setting (Kelvin) 3) Preset white balance
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, 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	2.5-in., 230,000-dot, low-temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing
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 8) Auto image rotation	1) Full frame 2) Thumbnail (4 or 9 segments) 3) Zoom 4) Slideshow (Standard or Pictmotion) 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
LiveView 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) Remote using PC and optional Camera Control Pro 2 software	No	No	No	No	No

	D3	D300	D200	D80	D60	D40X	D40
							
Interface/ Connectivity	USB 2.0 (Hi-Speed) (Mini-B connector) HDMI Output: supports HDMI version 1.3a, type A connector, Dual CF Card slots, Type II: 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
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 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
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-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.	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.
Viewfinder Type	SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-3 to +1m ⁻¹), Eyepiece shutter provided	SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-2.0 to +1.0m ⁻¹)	Optical-type fixed eye-level pentaprism; built-in diopter adjustment (-2.0 to +1.0m ⁻¹)	Optical-type fixed eye-level pentaprism; built-in diopter adjustment (-2.0 to +1.0m ⁻¹)	Fixed eye-level pentaprism-type; built-in diopter adjustment (-1.7 to +0.5m ⁻¹)	Fixed eye-level pentaprism-type; built-in diopter adjustment (-1.7 to +0.5m ⁻¹)	Fixed eye-level pentaprism-type; built-in diopter adjustment (-1.7 to +0.5m ⁻¹)
Viewfinder Frame Coverage and Magnification	Approx. 100% Approx. 0.74x with 50mm lens set to infinity; -1.0m ⁻¹	Approx. 100% Approx. 0.94x with 50mm lens set to infinity; -1.0m ⁻¹	Approx. 95% Approx. 0.94x with 50mm lens at infinity; -1.0m ⁻¹	Approx. 95% Approx. 0.94x with 50mm lens at infinity; -1.0m	Approx. 95% Approx. 0.80x with 50mm lens at infinity; -1.0m ⁻¹	Approx. 95% Approx. 0.80x with 50mm lens at infinity; -1.0m ⁻¹	Approx. 95% Approx. 0.80x with 50mm lens at infinity; -1.0m ⁻¹
Viewfinder Accessories (optional)	1) DG-2 Eyepiece Magnifier 2) DK-14/17A Anti-Fog Eyepiece 3) DK-19 Rubber Eye Cup 4) DK-17M Magnifying Eyepiece 5) DR-5 Right Angle Viewing Attachment 6) DK-18 Eyepiece Adapter 7) DK17c series Eyepiece Correction Lenses	1) DR-6 Angle Finder 2) Eyepiece correction lenses (-5 to +3m ⁻¹) 3) DK-21M Eyepiece Magnifier	1) DR-6 Angle Finder 2) Eyepiece correction lenses (-5 to +3m ⁻¹) 3) DK-21M Eyepiece Magnifier	1) DR-6 Angle Finder 2) Eyepiece correction lenses (-5 to +3m ⁻¹) 3) DK-21M Eyepiece Magnifier	1) DR-6 Angle Finder 2) Eyepiece correction lenses (-5 to +3m ⁻¹) 3) DG-2 Eyepiece Magnifier	1) DR-6 Angle Finder. 2) Eyepiece correction lenses (-5 to +3m ⁻¹) 3) DG-2 Eyepiece Magnifier	1) DR-6 Angle Finder. 2) Eyepiece correction lenses (-5 to +3m ⁻¹) 3) DG-2 Eyepiece Magnifier
Focusing Screen	Type B BriteView Clear Matte Screen VI	Type-B BriteView Clear Matte Screen Mark II with Superimposed focus brackets and On-Demand grid lines	Type-B BriteView Clear Matte screen Mark II with superimposed focus brackets and On-Demand grid lines	Type-B BriteView Clear Matte screen Mark II with superimposed focus brackets and On-Demand grid lines	Type-B BriteView Clear Matte screen Mark V with superimposed focus brackets	Type-B BriteView Clear Matte screen Mark V with superimposed focus brackets	Type-B BriteView Clear Matte screen Mark V with superimposed focus brackets
Optional Focusing Screens	Type-E with grid	No	No	No	No	No	No
Autofocus System	TTL phase detection, Nikon Multi-CAM 3500FX autofocus module	TTL phase detection, Nikon Multi-CAM 3500DX autofocus module	TTL phase detection by Nikon Multi-CAM 1000 autofocus module with AF-assist illuminator	TTL phase detection by Nikon Multi-CAM 1000 autofocus module with AF-assist illuminator	TTL phase detection by Nikon Multi-CAM 530 autofocus module with AF-assist illuminator	TTL phase detection by Nikon Multi-CAM 530 autofocus module with AF-assist illuminator	TTL phase detection by Nikon Multi-CAM 530 autofocus module with AF-assist illuminator
AF Lens Servo	1) Single servo AF [S], 2) Continuous servo AF [C] 3) Manual focus [M] 4) Focus Tracking automatically activated by subject's status in [S] or [C] AF using Scene Recognition System	1) Single servo AF [S], 2) Continuous servo AF [C] 3) Manual focus [M] 4) Focus Tracking automatically activated by subject's status in [S] or [C] AF using Scene Recognition System	1) Single Servo AF [S] 2) Continuous servo AF [C] 3) Manual [M] 4) Focus Tracking automatically activated by subject's status in [S] or [C] AF	1) Single Servo AF [S] 2) Continuous servo AF [C] 3) AF-A : auto AF-S/AF-C selection 4) Manual [M] 5) Predictive focus tracking automatically activated according to subject's status	1) Single Servo AF [S] 2) Continuous servo AF [C] 3) AF-A : auto AF-S/AF-C selection 4) Manual [M]	1) Single Servo AF [S], 2) Continuous servo AF [C] 3) AF-A : auto AF-S/AF-C selection 4) Manual [M]	1) Single Servo AF [S], 2) Continuous servo AF [C] 3) AF-A : auto AF-S/AF-C selection 4) Manual [M]
Focus Area/Sensors	51 area or 11 areas; any single area can be selected	51 area or 11 areas; any single area can be selected	11 focus areas or 7 Area Wide-AF mode; any single area can be selected in either mode	11 focus areas; any single area can be selected; center focus area can be switched from normal to wide-frame operation	3 focus areas: any single area can be selected	3 focus areas: any single area can be selected	3 focus areas: any single area can be selected

							
D3	D300	D200	D80	D60	D40X	D40	
AF Area Mode	1) Single Area AF 2) 9 Group Dynamic AF 3) 21 Group Dynamic AF 4) 51 Group Dynamic 5) 51 Group Dynamic with 3D Focus Tracking 6) 51 Auto Area using 51 points	1) Single Area AF 2) 9 Group Dynamic AF 3) 21 Group Dynamic AF 4) 51 Group Dynamic 5) 51 Group Dynamic with 3D Focus Tracking 6) 51 Auto Area using 51 points	1) Single Area AF 2) Dynamic-area AF 3) Dynamic-area AF with closest subject priority	1) Single Area AF 2) Dynamic Area AF 3) Auto-area AF	1) Single Area AF; 2) Dynamic Area AF 3) Dynamic-area AF with closest subject priority	1) Single Area AF; 2) Dynamic Area AF 3) Dynamic-area AF with closest subject priority	1) Single Area AF; 2) Dynamic Area AF 3) Dynamic-area AF with closest subject priority
Exposure Metering System	1) 1,005-pixel 3D Color Matrix Metering II with Scene Recognition System 2) Variable Center-weighted 3) Spot: Meters 4.0mm diameter circle (approx. 1.5% of frame) on active focus area	1) 1,005-pixel 3D Color Matrix Metering II with Scene Recognition System 2) Variable Center-weighted 3) Spot: Meters 3.0 mm diameter circle (approx. 2.0% of frame) on active focus area	1) 1005-pixel 3D Color Matrix Metering II 2) Variable Center-weighted 3) Spot: Meters 3.0mm diameter circle (approx. 2.0% of frame) centered on active focus area	1) 420-pixel 3D Color Matrix Metering II 2) Variable Center-weighted 3) Spot: Meters 3.5mm diameter circle (approx. 2.5% of frame) centered on active focus area	1) 420-pixel 3D Color Matrix Metering II 2) Center-weighted 3) Spot: Meters 3.5mm diameter circle (approx. 2.5% of frame) centered on active focus area	1) 420-pixel 3D Color Matrix Metering II 2) Center-weighted 3) Spot: Meters 3.5mm diameter circle (approx. 2.5% of frame) centered on active focus area	1) 420-pixel 3D Color Matrix Metering II 2) Center-weighted 3) Spot: Meters 3.5mm diameter circle (approx. 2.5% of frame) centered on active focus area
Exposure Metering Range	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering))	1) EV 0 to 20 (3D Color Matrix or center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or center-weighted metering) 2) EV 2 to 20 (spot metering)
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 3) Aperture Priority Auto 4) Manual	1) 7 Digital Vari-Programs 2) Programmed Auto with flexible program 3) Shutter-Priority Auto 4) Aperture Priority Auto 5) Manual	1) 8 Digital Vari-Programs 2) Programmed Auto with flexible program 3) Shutter-Priority Auto 4) Aperture Priority Auto 5) Manual	1) 8 Digital Vari-Programs 2) Programmed Auto with flexible program 3) Shutter-Priority Auto 4) Aperture Priority Auto 5) Manual	1) 8 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 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	±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 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	No
Top Framing Rate	1) up to 9 frames per second at full resolution 2) up to 11 frames per second in DX Crop - with some limitations	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 3 frames per second	Up to 2.5 frames per second
Shutter type	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	Electronically-controlled vertical-travel focal plane shutter	Combined mechanical and CCD electronic shutter
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 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	30 to 1/4,000 sec. in steps of 1/3 EV
High ISO Noise Reduction	1) Low 2) Normal 3) High	1) Low 2) Normal 3) High	1) Low 2) Normal 3) High	1) Low 2) Normal 3) High	Yes	Yes	Yes
Long Exposure Noise Reduction	Yes	Yes	Yes	Yes	Yes	Yes	Yes
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	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	1) D-lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay
Recent Settings	No	No	Yes	No	No	No	No
My Menu	Yes: with customization	Yes: with customization	No	Yes	Yes	Yes	Yes
Flash Modes With Compatible Nikon Speedlights	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	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) Auto 2) Auto Aperture 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) Auto Aperture 3) Red-eye Reduction 4) Red-eye Reduction with Slow Sync 5) Slow Sync 6) Rear-curtain Sync 7) Off	1)Auto 2) Auto Aperture 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.	1/250th sec. or 1/320th sec.	1/250th sec.	1/200th 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.	1/4,000th sec.	No	No	No
Built-in Flash	No	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)	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. 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	Approx. 55 ft rated at 200 ISO value
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 EV	-3 to +1 EV in increments of 1/3	-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	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	No
Built-in Flash/ Commander Mode	No	Two-Group Wireless Commander with SB-800, SB-600 and SB-R200 Speedlights	Two-Group Wireless Commander with SB-800, SB-600 and SB-R200 Speedlights	Two-Group Wireless Commander with SB-800, SB-600 and SB-R200 Speedlights	No Commander Option	No Commander Option	No Commander Option
Self-timer	2 to 20 seconds	2 to 20 seconds	2 to 20 seconds	2 to 20 seconds	2, 5, 10 or 20 seconds	2, 5, 10 or 20 seconds	2, 5, 10 or 20 seconds
Depth of field preview	Functional with CPU-equipped NIKKOR lenses in P, S, A and M mode	Functional with CPU-equipped NIKKOR lenses in P, S, A and M mode	Functional with CPU-equipped NIKKOR lenses in P, S, A and M modes	Functional with CPU-equipped NIKKOR lenses in P, S, A and M modes	No	No	No
Remote Control	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)	Via ML-L3 Wireless Remote Controller (optional)
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-EL9 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 Standards)	Up to 1,800 (Nikon Measurement Standard)	Up to 2,700 (Nikon Measurement Standard)	Up to 500 (CIPA Measurement Standard)	Up to 520 (CIPA Measurement Standard)	Up to 470 (CIPA Measurement Standard)
Battery Grip(s) Optional	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	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	No
TV Output	NTSC, PAL, HDMI	NTSC, PAL, HDMI	NTSC, PAL	NTSC, PAL	NTSC, PAL	NTSC, PAL	NTSC, PAL
Optional AC Power Supply	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	EH-5 AC Adapter requires EP-5 Adapter
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-3a (IEEE 802.11b/g)	No	No	No	No
GPS	With optional MC-35 cord	With optional MC-35 cord	With optional MC-35 cord	No	No	No	No
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)	No	No	No	No
Dimensions (W x H x D)	Approx. 6.3 x 6.2 x 3.4 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 2.5 x 3.7 in.	Approx. 5.0 x 2.5 x 3.7 in.	Approx. 5.0 x 3.7 x 2.5 in.
Weight	Approx. 2.7 lbs Without battery or memory card	Approx. 1.8 lbs Without battery, memory card or monitor cover	1 lb. 13 oz Without battery, memory card or monitor cover	1 lb. 5 oz Without battery, memory card or monitor cover	1 lb. 1 oz Without battery, memory card or monitor cover	1 lb. 1 oz Without battery or memory card	1 lb. 1 oz Without battery or memory card



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