

DIGITAL SLR COMPARISON CHART



	D3X	D3S	D700	
At a Glance	Effective Pixels	24.5 million pixels	12.1 million pixels	12.1 million pixels
	Image Sensor	FX-format CMOS	FX-format CMOS	FX-format CMOS
	LCD Monitor	3.0-in, 921,000-dot	3.0-in, 921,000-dot	3.0-in, 921,000-dot
	D-Movie mode	No	Yes	No
	ISO Sensitivity Range	100 to 1600	200 to 12,800	200 to 6400
	Top Framing Rate	Up to 5 frames-per-second at full resolution	Up to 9 frames-per-second at full resolution	Up to 5 frames-per-second at full resolution
	Built-in Flash	No	No	Yes
	Battery	EN-EL4a	EN-EL4a	EN-EL3e
Image Sensor	Effective Pixels	24.5 Million Pixels	12.1 Million Pixels	12.1 Million Pixels
	Image Sensor	FX-format CMOS Sensor, 24 × 35.9mm	FX-format CMOS Sensor, 23.9 × 36mm	FX-format CMOS Sensor, 23.9 × 36mm
	Active Dust Removal System	No	Yes	Yes
Storage/Data	Image Size (pixels)	FX-format 6,048 × 4,032 [L] 4,544 × 3,024 [M] 3,024 × 2,016 [S] DX-format 3,968 × 2,640 [L] 2,976 × 1,976 [M] 1,984 × 1,320 [S] 5:4 format 5,056 × 4,032 [L] 3,792 × 3,024 [M] 2,528 × 2,016 [S]	FX-format 4,256 × 2,832 [L] 3,184 × 2,120 [M] 2,128 × 1,416 [S] 1.2X Crop 3,552 × 2,368 [L] 2,656 × 1,776 [M] 1,776 × 1,148 [S] 5:4 format 3,552 × 2,832 [L] 2,656 × 2,120 [M] 1,776 × 1,416 [S] DX-Format 2,784 × 1,848 [L] 2,080 × 1,384 [M] 1,392 × 920 [S]	FX-format 4,256 × 2,832 [L] 3,184 × 2,120 [M] 2,128 × 1,416 [S] DX-format 2,784 × 1,848 [L] 2,080 × 1,384 [M] 1,392 × 920 [S]
	Storage Media	Dual CF memory card slots	Dual CF memory card slots	CF memory card slot
	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
	Picture Control/Optimize Image	Standard, Neutral, Vivid, Monochrome; storage for up to nine custom Picture Controls	Standard, Neutral, Vivid, Monochrome; storage for up to nine custom Picture Controls	Standard, Neutral, Vivid, Monochrome; storage for up to nine custom Picture Controls
	D-Movie	N/A	1,280 x 720/24 fps 640 x 424/24 fps 320 x 216/24 fps Monaural with built-in Mic and Stereo with optional external Mic	N/A
	Text Input	Up to 36 characters of alphanumeric text input, including copyright information, is available with LCD monitor and multi-selector; stored in EXIF header	Up to 36 characters of alphanumeric text input including copyright information, is available with LCD monitor and multi-selector; stored in EXIF header	Up to 36 characters of alphanumeric text input, including copyright information, is available with LCD monitor and multi-selector; stored in Exif header
	Image Authentication	Supported: Requires optional Nikon Image Authentication Software (Windows XP, Vista Pre-installed only)	Supported: Requires optional Nikon Image Authentication Software (Windows XP, Vista Pre-installed only)	Supported: Requires optional Nikon Image Authentication Software (Windows XP, Vista Pre-installed only)
Monitor	LCD Monitor	3.0-in, 921,000-dot, VGA, low temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	3.0-in, 921,000-dot, VGA, low temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	3.0-in, 921,000-dot, VGA, low temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing
	Live View Modes /AF	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) 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) Virtual Horizon (digital level) 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) Virtual Horizon (digital level) 4) Remote using PC and optional Camera Control Pro 2 software



D300S	D90	D5000	D3000
12.3 million pixels	12.3 million pixels	12.3 million pixels	10.2 million pixels
DX-format CMOS	DX-format CMOS	DX-format CMOS	DX-format CCD
3.0-in, 921,000-dot	3.0-in, 921,000-dot	Vari-angle type, 2.7-in., 230,000-dot	3.0-in., 230,000-dot
Yes	Yes	Yes	No
200 to 3200	200 to 3200	200 to 3200	100 to 1600
Up to 7 frames-per-second	Up to 4.5 frames-per-second	Up to 4 frames-per-second	Up to 3 frames-per-second
Yes	Yes	Yes	Yes
EN-EL3e	EN-EL3e	EN-EL9a	EN-EL9a
12.3 Million Pixels	12.3 Million Pixels	12.3 Million Pixels	10.2 Million Pixels
DX-format CMOS Sensor, 23.6 x 15.8mm	DX-format CMOS Sensor, 23.6 x 15.8mm	DX-format CMOS Sensor, 23.6 x 15.8mm	DX-format CCD Sensor, 23.6 x 15.8mm
Yes	Yes	Yes	Yes
DX-format 4,288 x 2,848 [L] 3,216 x 2,136 [M] 2,144 x 1,424 [S]	DX-format 4,288 x 2,848 [L] 3,216 x 2,136 [M] 2,144 x 1,424 [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]
Dual card slots 1 CF and 1 SD(SDHC compatible)	SD memory card (SDHC compatible)	SD memory card (SDHC compatible)	SD memory card (SDHC compatible)
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)	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)
Standard, Neutral, Vivid, Monochrome; storage for up to nine custom Picture Controls	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape; storage for up to nine custom Picture Controls	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape; storage for up to nine custom Picture Controls	Standard, Neutral, Vivid, Monochrome, Portrait Landscape, Picture Control options
1,280 x 720/24 fps 640 x 424/24 fps 320 x 216/24 fps Monaural with built-in Mic and Stereo with optional external Mic	1,280 x 720/24 fps 640 x 424/24 fps 320 x 216/24 fps Monaural with built-in Mic	1,280 x 720/24 fps 640 x 424/24 fps 320 x 216/24 fps Monaural with built-in Mic	N/A
Up to 36 characters of alphanumeric text input, including copyright information, 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
Supported: Requires optional Nikon Image Authentication Software (Windows XP, Vista Pre-installed only)	No	No	No
3.0-in, 921,000-dot, VGA, low temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	3.0-in, 921,000-dot, VGA, low temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing	Vari-Angle type, 2.7-in., 230,000-dot, low temperature polysilicon TFT LCD approx. 100% frame coverage, 170-degree viewing angle and brightness adjustment adjustment	3.0-in., 230,000-dot, low temperature polysilicon TFT LCD with brightness adjustment allows up to 170-degree wide-angle viewing
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) 4) Remote using PC and optional Camera Control Pro 2 software	1) Face priority AF, Wide area AF, Normal area AF 2) Remote using PC and optional Camera Control Pro 2 software	1) Face priority AF, Wide area AF, Normal area AF, Subject tracking AF 2) Remote using PC and optional Camera Control Pro 2 software	No

DIGITAL SLR COMPARISON CHART

		D3X	D3S	D700
Monitor (Cont.)	Playback Function	<ol style="list-style-type: none"> 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) Voice memo 10) Image comment (up to 36 characters) 	<ol style="list-style-type: none"> 1) Full frame 2) Thumbnail (4, 9 or 12 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication 6) Shooting data 7) Highlight point display 8) Auto image rotation 9) Voice memo 10) Movie playback with sound 11) Image comment (up to 36 characters) 	<ol style="list-style-type: none"> 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) Image comment (up to 36 characters)
	Lens Mount	Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet
Compatible Lenses	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.
	Viewfinder Type	SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-3 to +1.0m ⁻¹), Eyepiece shutter provided	SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-3 to +1.0m ⁻¹), Eyepiece shutter provided	SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-3.0 to +1.0m ⁻¹), Eyepiece shutter provided
Viewfinder	Viewfinder Frame Coverage and Magnification	Approx. 100% Approx. 0.74x with 50mm lens set to infinity; -1.0m ⁻¹	Approx. 100% Approx. 0.74x with 50mm lens set to infinity; -1.0m ⁻¹	Approx. 95% Approx. 0.72x with 50mm lens set to infinity; -1.0m ⁻¹
	Viewfinder Accessories (optional) Spec:	<ol style="list-style-type: none"> 1) DG-2 Eyepiece Magnifier (Requires DK-18 Eyepiece Adapter) 2) DK-17A Anti-Fog Eyepiece 3) DK-17C Correction Eyepieces 4) DK-17M Magnifying Eyepiece 5) DK-19 Rubber Eye Cup 6) DR-5 Right Angle Viewfinder 	<ol style="list-style-type: none"> 1) DG-2 Eyepiece Magnifier (Requires DK-18 Eyepiece Adapter) 2) DK-17A Anti-Fog Eyepiece 3) DK-17C Correction Eyepieces 4) DK-17M Magnifying Eyepiece 5) DK-19 Rubber Eye Cup 6) DR-5 Right Angle Viewfinder 	<ol style="list-style-type: none"> 1) DG-2 Eyepiece Magnifier (Requires DK-18 Eyepiece Adapter) 2) DK-17A Anti-Fog Eyepiece 3) DK-17C Correction Eyepieces 4) DK-17M Magnifying Eyepiece 5) DK-19 Rubber Eye Cup 6) DR-5 Right Angle Viewfinder
Focus	Autofocus System	TTL phase detection, Nikon Multi-CAM 3500FX autofocus module	TTL phase detection, Nikon Multi-CAM 3500FX autofocus module	TTL phase detection, Nikon Multi-CAM 3500FX autofocus module
	AF Lens Servo	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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
	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	51 area or 11 areas; any single area can be selected
	AF Area Mode	<ol style="list-style-type: none"> 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) Auto Area using 51 points 	<ol style="list-style-type: none"> 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) Auto Area using 51 points 	<ol style="list-style-type: none"> 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) Auto Area using 51 points
	Focusing Screen	Type-B BriteView Clear Matte Screen VI	Type-B BriteView Clear Matte Screen VI	Type-B BriteView Clear Matte Screen Mark V with Superimposed focus brackets and On-Demand grid lines
	Optional Focusing Screens	Type-E with grid	Type-E with grid	No
	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 mode
White Balance		<ol style="list-style-type: none"> 1) Auto (hybrid with 1,005-pixel RGB Sensor, CMOS image sensor and Scene Recognition System) 2) Six (6) manual modes with fine tuning 3) 5 user definable Presets with fine tuning 4) Color temperature setting (Kelvin) 5) 2-9 exposure white balance bracketing 	<ol style="list-style-type: none"> 1) Auto (hybrid with 1,005-pixel RGB Sensor, CMOS image sensor and Scene Recognition System) 2) Six (6) manual modes with fine-tuning 3) 5 user definable Presets with fine tuning 4) Color temperature setting (Kelvin) 5) 2-9 exposure white balance bracketing 	<ol style="list-style-type: none"> 1) Auto (hybrid with 1,005-pixel RGB Sensor, CMOS image sensor and Scene Recognition System) 2) Six (6) manual modes with fine tuning 3) 5 user definable Presets with fine tuning 4) Color temperature setting (Kelvin) 5) 2-9 exposure white balance bracketing

D300S	D90	D5000	D3000
<ol style="list-style-type: none"> 1) Full frame 2) Thumbnail (4, 9 or 72 segments) 3) Zoom 4) Slideshow 5) RGB histogram indication with magnified area 6) Shooting data 7) Highlight point display 8) Auto image rotation 9) Movie playback with sound 10) Image comment (up to 36 characters) 	<ol style="list-style-type: none"> 1) Full frame 2) Thumbnail (4, 9 or 72 images or calendar) playback with playback 3) Zoom 4) Movie playback with sound 5) Pictmotion 6) Slide show 7) Histogram display 8) Highlights 9) Auto image rotation 10) Image comment 	<ol style="list-style-type: none"> 1) Full frame 2) Thumbnail (4, 9 or 72 images or calendar) playback with playback Zoom 3) Movie playback with sound 4) Stop-Motion Movie 5) Slide show 6) Histogram display 7) Highlights 8) Auto image rotation 9) Image comment 	<ol style="list-style-type: none"> 1) Full-frame 2) Thumbnail (4, 9, or 72 images or calendar) playback with playback zoom 3) Stop-motion movies 4) Slide show 5) Histogram display 6) Highlights 7) Auto image rotation 8) Image comment
Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet	Nikon F Bayonet
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-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. 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. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used
SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-2.0 to +1.0m ⁻¹)	SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-2.0 to +1.0m ⁻¹)	SLR optical-type fixed eye-level pentamirror; built-in diopter adjustment (-1.7 to +0.7m ⁻¹)	SLR optical-type fixed eye-level pentamirror; built-in diopter adjustment (-1.7 to +0.5m ⁻¹)
Approx. 100% Approx. 0.94x with 50mm lens set to infinity; -1.0m ⁻¹	Approx. 96% Approx. 0.94x with 50mm lens set to infinity; -1.0m ⁻¹	Approx. 95% Approx. 0.78x with 50mm lens at infinity; -1.0m ⁻¹	Approx. 95% Approx. 0.80x with 50mm lens at infinity; -1.0m ⁻¹
<ol style="list-style-type: none"> 1) DG-2 Eyepiece Magnifier (Requires DK-22 Eyepiece Adapter) 2) DK-20C Correction Eyepieces (-5 to +3m⁻¹) 3) DK-21M Eyepiece Magnifier 4) DR-6 Right Angle Viewfinder 	<ol style="list-style-type: none"> 1) DG-2 Eyepiece Magnifier (Requires DK-22 Eyepiece Adapter) 2) DK-20C Correction Eyepieces (-5 to +3m⁻¹) 3) DK-21M Eyepiece Magnifier 4) DR-6 Right Angle Viewfinder 	<ol style="list-style-type: none"> 1) DK-20C Correction Eyepieces (-5 to +3m⁻¹) 	<ol style="list-style-type: none"> 1) DG-2 Eyepiece Magnifier (Requires DK-22 Eyepiece Adapter) 2) DK-20C Correction Eyepieces (-5 to +3m⁻¹) 3) DK-21M Eyepiece Magnifier 4) DR-6 Right Angle Viewfinder
TTL phase detection, Nikon Multi-CAM 3500DX autofocus module	TTL phase detection Nikon Multi-CAM 1000 autofocus module with, AF-assist illuminator	TTL phase detection Nikon Multi-CAM 1000 autofocus module with, AF-assist illuminator	TTL phase detection Nikon Multi-CAM 1000 autofocus module with AF-assist illuminator
<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 1) Single Servo AF [S] 2) Continuous servo AF [C] 3) AF-A : auto AF-S/ AF-C selection 4) Manual [M]
51 area or 11 areas; any single area can be selected	11 area; any single area can be selected: center focus area can be switched from normal to wide-frame operation	11 area; any single area can be selected	11 area; any single area can be selected
<ol style="list-style-type: none"> 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) Auto Area using 51 points 	<ol style="list-style-type: none"> 1) Single-servo AF 2) Continuous servo AF 3) 3D tracking AF 4) Auto Area AF using 11 points 5) Manual (M) 	<ol style="list-style-type: none"> 1) Single-servo AF 2) Continuous servo AF 3) 3D tracking AF 4) Auto Area AF (11 points) 	<ol style="list-style-type: none"> 1) Single Area AF 2) Dynamic Area AF 3) Auto-area AF with closest subject priority 4) 3D-Tracking AF (11 points)
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 and On-Demand grid lines	Type-B BriteView Clear Matte Screen Mark II with Superimposed focus brackets and On-Demand grid lines
No	No	No	No
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	No	No
<ol style="list-style-type: none"> 1) Auto (hybrid with 1,005- pixel RGB Sensor, CMOS image sensor and Scene Recognition System) 2) Six (6) manual modes with fine-tuning, 3) 5 user definable Presets with fine tuning 4) Color temperature setting (Kelvin) 5) 2-9 exposure white balance bracketing 	<ol style="list-style-type: none"> 1) Auto (TTL white balance with 420-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning 3) Color temperature setting (Kelvin) 4) Preset white balance 5) 2 or 3 exposure white balance bracketing 	<ol style="list-style-type: none"> 1) Auto (TTL white balance with 420-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning 3) Preset manual white balance 4) 3 exposure white balance bracketing 	<ol style="list-style-type: none"> 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

DIGITAL SLR COMPARISON CHART

		D3X	D3S	D700
Flash (Cont.)	Flash Compensation	N/A	N/A	-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
	Built-in Flash/Commander Mode	No built-in Commander Option	No built-in Commander Option	Two-Group Wireless Commander with SB-900, SB-800, SB-600 and SB-R200 Speedlights
In-Camera Editing	Retouch Menu	1) D-Lighting 2) Red-eye Correction 3) Trim 4) Monochrome 5) Filter Effects 6) Color Balance 7) Image Overlay 8) Side by side comparison	1) D-lighting 2) Red-eye Correction 3) Trim 4) Monochrome 5) Filter Effects 6) Color balance 7) Image Overlay 8) NEF (RAW) processing 9) Resize 10) Edit Movie	1) D-Lighting 2) Red-eye Correction 3) Trim 4) Monochrome 5) Filter Effects 6) Color Balance 7) Image Overlay 8) Side by side comparison
	High ISO Noise Reduction	1) Low 2) Normal 3) High 4) Off	1) Low 2) Normal 3) High 4) Off	1) Low 2) Normal 3) High 4) Off
	Long Exposure Noise Reduction	Yes	Yes	Yes
Power	Power Source (included)	One EN-EL4a Rechargeable Li-ion Battery	One EN-EL4a Rechargeable Li-ion Battery	One EN-EL3e Rechargeable Li-ion Battery
	Images per Battery Charge	Up to 4,400 (CIPA Standard)	Up to 4,200 (CIPA Standard)	Up to 1,000 (CIPA Standard)
	Optional AC Power Supply	EH-6 AC Adapter	EH-6 AC Adapter	EH-5a AC Adapter
Accessory	Supplied Accessories	EN-EL4a Rechargeable Li-ion Battery, MH-22 Quick Charger, UC-E4 USB Cable, EG-D2 Audio Video Cable, AN-D3X Camera Strap, BF-1A Body Cap, BS-2 Accessory Shoe Cap, DK-17 Eyepiece BL-4 Battery Chamber Cover, USB Cable Clip, Software Suite CD-ROM	EN-EL4a Rechargeable Li-ion Battery, MH-22 Quick Charger, UC-E4 USB Cable, EG-D2 Audio Video Cable, AN-DC5 Camera Strap, BF-1B Body Cap, BS-2 Accessory Shoe Cap, DK-17 Eyepiece, Battery Chamber Cover, USB Cable Clip, Software Suite CD-ROM	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, BF-1A Body cap, BS-1 accessory shoe cover, Software Suite CD-ROM.
	Battery Grip(s) Optional	No	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
Connectivity	TV Output	NTSC, PAL, HDMI	NTSC, PAL, HDMI	NTSC, PAL, HDMI
	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)
	Interface / Connectivity	USB 2.0 (Hi-Speed) (Mini-B connector) HDMI Output: supports HDMI version 1.3a, type A connector, 2 CF card slots: 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, 2 CF card slots: 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 connector, CF card slot: supports UDMA, supports firmware updates via CF cards
	GPS	With optional GP-1 GPS Unit and supplied Connecting Cord or via optional MC-35 GPS cable. ¹	With optional GP-1 GPS Unit and supplied Connecting Cord or via optional MC-35 GPS cable. ¹	With optional GP-1 GPS Unit and supplied Connecting Cord or via optional MC-35 GPS cable. ¹
Physical Specifications	Dimensions (W × H × D)	Approx. 6.3 × 6.2 × 3.4 in.	Approx. 6.3 × 6.2 × 3.4 in.	Approx. 5.8 × 4.8 × 3.0 in.
	Weight	Approx. 2.lbs. 11oz. without battery or memory card	Approx. 2.lbs. 12oz. without battery or memory card	Approx. 2lbs. 3oz. without battery, memory card or monitor cover

¹ Requires user's own GPS unit that conforms to NMEA0183 data protocol.

D300S	D90	D5000	D3000
-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
2 to 9 exposures in increments of 1/3, 1/2, 2/3, or 1 EV steps	2 to 3 exposures in increments between 1/3 to 2.0 EV	No	No
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 built-in Commander Option	No built-in Commander Option
1) D-lighting 2) Red-eye Correction 3) Trim 4) Monochrome 5) Filter Effects 6) Color balance 7) Image Overlay 8) NEF (RAW) processing 9) Resize 10) Edit Movie	1) D-lighting 2) Red-eye Correction 3) Trim 4) Monochrome 5) Filter Effects 6) Color balance 7) Small Picture 8) Image Overlay 9) NEF (RAW) processing 10) Quick retouch 11) Straighten 12) Distortion control 13) Fisheye	1) D-lighting 2) Red-eye Correction 3) Trim 4) Monochrome 5) Filter Effects 6) Color balance 7) Small Picture 8) Image Overlay 9) NEF (RAW) processing 10) Quick retouch 11) Straighten 12) Distortion control 13) Fisheye 14) Color outline 15) Perspective control 16) Stop-motion movie	1) D-lighting 2) Red-eye Correction 3) Trim 4) Monochrome 5) Filter Effects 6) Color Balance 7) Small Picture 8) Image Overlay 9) NEF (RAW) Processing 10) Quick Re-Touch 11) Color outline 12) Miniature Effect 13) Stop motion movie
1) Low 2) Normal 3) High 4) Off	1) Low 2) Normal 3) High 4) Off	1) Low 2) Normal 3) High 4) Off	Yes
Yes	Yes	Yes	Yes
One EN-EL3e Rechargeable Li-ion Battery	One EN-EL3e Rechargeable Li-ion Battery	One EN-EL9a Rechargeable Li-ion Battery	One EN-EL9a Rechargeable Li-ion Battery
Up to 1,000 (CIPA Standard)	Up to 850 (CIPA Standard)	Up to 510 (CIPA Standard)	Up to 500 (CIPA Standard)
EH-5a AC Adapter	EH-5a AC Adapter	EH-5a AC Adapter requires EP-5 Adapter	EH-5a AC Adapter requires EP-5 Adapter
EN-EL3e Rechargeable Li-ion Battery, MH-18a Quick Charger, UC-E4 USB Cable, EG-D2 Audio Video Cable, AN-DC4 Strap, BM-8 LCD monitor cover, BF-1A Body cap, DK-5 Eyepiece Cap, BS-1 Accessory Shoe Cover, DK-23 Rubber Eyecup, Software Suite CD-ROM.	EN-EL3e Rechargeable Li-ion Battery, MH-18a Quick Charger, Eyepiece cap DK-5, Rubber eyecup DK-21, USB Cable UC-E4, EG-D2 Audio Video Cable, Camera Strap AN-DC1, LCD Monitor Cover BM-10, BF-1A Body cap, Accessory Shoe Cover BS-1, Software Suite CD-ROM	EN-EL9a Rechargeable Li-ion Battery, MH-23 Quick Charger, DK-5 Eyepiece Cap, DK-24 Rubber Eyecup, UC-E6 USB Cable, EG-CP14 Audio Video Cable, AN-DC3 Camera Strap, BS-1 Accessory Shoe Cover, Body Cap, Software Suite CD-ROM	EN-EL9a Rechargeable Li-ion Battery, MH-23 Quick Charger, UC-E4 USB Cable, DK-20 Rubber Eyecup, AN-DC3 Camera Strap, BF-1A Body Cap, DK-5 Eyepiece Cap, BS-1 Accessory Shoe Cover, Software Suite CD-ROM.
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-D80 Multi-power 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
NTSC, PAL, HDMI	NTSC, PAL, HDMI	NTSC, PAL, HDMI	NTSC, PAL
FTP file transfer available and PTP/IP with optional WT-4a (IEEE 802.11a/b/g), Eye-Fi compatible	No Eye-Fi compatible	No Eye-Fi compatible	No Eye-Fi compatible
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 connector, SD card slot: supports firmware updates via SD cards	Combination USB 2.0 (Hi-Speed) & A/V connector; HDMI Output: supports HDMI version 1.3a, type C mini 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.
With optional GP-1 GPS Unit and supplied Connecting Cord or via optional MC-35 GPS cable. ¹	With optional GP-1 GPS-Unit and supplied Connecting Cord	With optional GP-1 GPS-Unit and supplied Connecting Cord	No
Approx. 5.8 × 4.5 × 2.9 in.	Approx. 5.2 × 4.1 × 3.0 in.	Approx: 5.0 × 4.1 × 3.1 in.	Approx. 5.0 × 3.8 × 2.6 in.
Approx. 1 lbs. 13oz. without battery, memory card or monitor cover	Approx. 1 lb. 6oz. without battery, memory card or monitor cover	Approx. 1 lbs. 3.8oz. without battery, memory card or monitor cover	Approx. 1 lb. 1.1 oz without battery, memory card or monitor cover

DIGITAL SLR COMPARISON CHART

		D3X	D3S	D700
Exposure	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 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 4.0mm diameter circle (approx. 1.5% of frame) on active focus area
	ISO Sensitivity Range	100 to 1600 (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 and HI-2	200 to 12,800 (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, HI-2 and HI-3	200 to 6400 (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 and HI-2
	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)
	Exposure Modes	1) Programmed Auto with flexible program 2) Shutter-Priority Auto 3) Aperture-Priority Auto 4) Manual	1) Programmed Auto with flexible program 2) Shutter-Priority Auto 3) Aperture-Priority Auto 4) Manual	1) Programmed Auto with flexible program 2) Shutter-Priority Auto 3) Aperture-Priority Auto 4) Manual
	Exposure Compensation	±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, 1/2 or 1 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
	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
	Active D-Lighting	4 levels and Auto	4 levels, Auto and 5 frame bracketing	3 levels and Auto
Custom Settings	Total custom Settings	44	46	50
	My Menu	Yes: with customization	Yes: with customization	Yes: with customization
	Recent Settings	Yes	No	Yes
Shutter Release	Top Framing Rate	1) Up to 5 frames-per-second at full resolution 2) Up to 7 frames-per-second in DX Crop	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 in FX or DX Format 2) up to 8 frames per second in FX or DX Format with optional MB-D10 Multi-power Battery pack
	Shutter Speed Range	30 to 1/8,000th sec. in steps of 1/3, 1/2 or 1 EV, bulb	30 to 1/8,000th sec. in steps of 1/3, 1/2 or 1 EV, bulb	30 to 1/8,000th sec. in steps of 1/3, 1/2 or 1 EV, bulb
	Shutter type	Electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter
	Self-Timer	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
Flash	Built-in Flash	No	No	Manual pop-up with button release
	Built-in Flash Guide Number	N/A	N/A	Approx. 56 ft rated at ISO 200 value
	Flash Modes With Compatible Nikon Speedlights (For more information on Speedlight feature compatibility, please refer to the camera's brochure)	1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority w/ compatible Speedlights	1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority w/ compatible Speedlights	1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority w/ compatible Speedlights
	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
	Top Flash Sync TTL	1/250th sec.	1/250th sec.	1/250th sec. or 1/320th sec.
	Auto FP High-Speed Flash Sync	1/8,000th sec.	1/8,000th sec.	1/8,000th sec.

D300S	D90	D5000	D3000
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) 420-pixel 3D Color Matrix Metering II 2) Variable Center-weighted 3) Spot: Meters 3.5mm 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
200 to 3200 (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	200 to 3200 (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	200 to 3200 (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	100 to 1600 (ISO equivalent) in steps of 1 EV, plus Hi-1 setting (3200 equivalent)
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) Programmed Auto with flexible program 2) Shutter-Priority Auto 3) Aperture-Priority Auto 4) Manual	1) 5 Advanced Scene Modes 2) Auto 3) Auto-Flash Off 4) Programmed Auto with flexible program 5) Shutter-Priority Auto 6) Aperture Priority Auto 7) Manual	1) 19 Advanced Scene Modes 2) Auto 3) Auto-Flash Off 4) Programmed Auto with flexible program 5) Shutter-Priority Auto 6) Aperture Priority Auto 7) Manual	1) 6 Advanced Scene Modes 2) Auto 3) Auto-Flash Off 4) Programmed Auto with flexible program 5) Shutter-Priority Auto 6) Aperture Priority Auto 7) Manual
±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
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
2 to 9 exposures in increments of 1/3, 1/2, 2/3 or 1 EV steps	2 to 3 exposures in increments of 1/3, 1/2, 2/3, 1 or 2 EV steps. And 2 frame Active D-lighting bracketing	2 to 3 exposures in increments of 1/3, 1/2 EV steps. And 2 exposure 2 frame Active D-lighting bracketing	No
4 levels, Auto and 5 frame bracketing	4 levels and Auto	4 levels and Auto	1 level
48	41	23	N/A
Yes: with customization	Yes: with customization	Yes: with customization	No
No	Yes	Yes	Yes
1) Up to 7 frames-per-second 2) Up to 8 frames-per-second with optional MB-D10 Multi-power Battery Pack	Up to 4.5 frames-per-second	Up to 4 frames-per-second	Up to 3 frames-per-second
30 to 1/8,000th sec. in steps of 1/3, 1/2 or 1 EV, bulb	30 to 1/4,000th sec. in steps of 1/3 or 1/2 EV, bulb	30 to 1/4,000th sec. in steps of 1/3 or 1/2 EV, bulb	30 to 1/4,000th sec. in steps of 1/3 or 1/2 EV, bulb
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
2, 5, 10 or 20 seconds	2, 5, 10 or 20 seconds	2, 5, 10 or 20 seconds	2, 5, 10 or 20 seconds
Via 10-pin remote terminal	Via ML-L3 Wireless Remote Controller (optional) or via MC-DC2 wired remote controller (optional)	Via ML-L3 Wireless Remote Controller (optional) or via MC-DC2 wired remote controller (optional)	Via ML-L3 Wireless Remote Controller (optional)
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	1) Auto flash with auto pop-up 2) Manual pop-up with button release (P, S, A and M)
Approx. 55 ft rated at 200 ISO value	Approx. 59 ft rated at 200 ISO value	Approx. 59 ft rated at 200 ISO value	Approx. 39 ft rated at 100 ISO value
1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority w/ compatible Speedlights	1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority w/ compatible Speedlights	1) i-TTL Balanced Fill-Flash 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority w/compatible Speedlights	1) i-TTL Balanced Fill-Flash 2) Auto Aperture 3) Non-TTL Auto
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
1/250th sec. or 1/320th sec.	1/200th sec.	1/200th sec.	1/200th sec.
1/8,000th sec.	1/4,000th sec.	1/4000th sec.	No