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## Comparison

D780	D750
<b>Lens Mount</b>	
Nikon F bayonet mount	Nikon F bayonet mount
<b>Effective Pixels (Megapixels)</b>	
24.5 million	24.3 million
<b>Sensor Size</b>	
35.9 mmx23.9 mm	35.9 mmx24 mm
<b>Image Sensor Format</b>	
FX	FX
<b>File Format Still Images</b>	
JPEG: JPEG-Baseline compliant with fine (approx 1:4), normal (approx 1:8), or basic (approx 1:16) compression (size priority); Optimal quality compression available NEF (RAW) + JPEG: single photograph recorded in both NEF (RAW) and JPEG Formats NEF (RAW): lossless compressed, compressed 12 or 14 bit	JPEG: JPEG-Baseline compliant with fine (approx 1:4), normal (approx 1:8), or basic (approx 1:16) compression (size priority); Optimal quality compression available NEF (RAW) + JPEG: single photograph recorded in both NEF (RAW) and JPEG Formats NEF (RAW): lossless compressed, compressed 12 or 14 bit
<b>Storage Media</b>	
SD SDHC (UHS-II compliant) SDXC (UHS-II compliant)	SD SDHC SDXC
<b>Card Slot</b>	
2 Secure Digital (SD)	2 Secure Digital (SD)
<b>Viewfinder Frame Coverage</b>	
FX (36x24):100% horizontal and 100% vertical (Approx.) 1.2x (30x20):97% horizontal and 97% vertical (Approx.) DX (24x16):97% horizontal and 97% vertical (Approx.) 	FX (36x24):100% horizontal and 100% vertical (Approx.) 1.2x (30x20):97% horizontal and 97% vertical (Approx.) DX (24x16):97% horizontal and 97% vertical (Approx.) 
<b>Viewfinder Magnification</b>	
0.7x (50 mm f/1.4 lens at infinity, -1.0m <sup>-1</sup> ) (Approx.)	0.7x (50 mm f/1.4 lens at infinity, -1.0m <sup>-1</sup> ) (Approx.)
<b>Viewfinder Eyepoint</b>	
21mm (-1.0 m <sup>-1</sup> )	21mm (-1.0 m <sup>-1</sup> )
<b>Fastest Shutter Speed</b>	
1/8000 sec.	1/4000 sec.
<b>Slowest Shutter Speed</b>	
900 seconds (15 minutes) (Long exposure M* mode)	30 sec.
<b>Top Continuous Shooting Speed at Full Resolution</b>	
7 frames per second 	6.5 frames per second 
<b>Exposure Compensation</b>	
-5 to +5 EV; -3 to +3 EV when filming movies (choose from step sizes of 1/3 and 1/2 EV) available in P, S, A, M, and EFCT modes	±5 EV in increments of 1/3 or 1/2 in P, S, A, and M modes
<b>Exposure Bracketing</b>	
2 to 5 frames in steps of 2 or 3 EV 2 to 9 frames in steps of 1/3, 1/2, 2/3 or 1 EV	2 to 5 frames in steps of 2 or 3 EV 2 to 9 frames in steps of 1/3, 1/2, 2/3 or 1 EV
<b>Picture Control</b>	
Auto Creative Picture Controls (Dream, Morning, Pop, Sunday, Somber, Dramatic, Silence, Bleached, Melancholic, Pure, Denim, Toy, Sepia, Blue, Red, Pink, Charcoal, Graphite, Binary, Carbon) Flat Landscape Monochrome	Flat Landscape Monochrome Neutral Portrait Standard Vivid

Neutral Portrait Standard Vivid Selected Picture Control can be modified Storage for custom Picture Controls	User-customizable Settings
ISO Sensitivity	
ISO100 -51,200 Can also be set to approx. 0.3, 0.5, 0.7, or 1 EV (ISO 50 equivalent) below ISO 100 or to approx. 0.3, 0.5, 0.7, 1, or 2 EV (ISO 204,800 equivalent) above ISO 51,200; auto ISO sensitivity control available	ISO100 -12,800 Lo-1 (ISO 50) Hi-1 (ISO 25,600) Hi-2 (ISO 51,200)
Dynamic AF Mode	
Number of AF points: 9, 21, 51 and 51 (3D-tracking)	Number of AF points: 9, 21, 51 and 51 (3D-tracking)
Auto-Area AF Mode	
Yes	Yes
Focus Modes	
Viewfinder photography: 51 points with [All points] selected for Custom Setting a6 [Focus points used], 11 points with [Every other point] selected Live view: 273 points with [All points] selected for Custom Setting a6 [Focus points used], 77 points with [Every other point] selected Still photography, [FX (36x24)] image area, single-point AF	Auto AF-S/AF-C selection (AF-A) Continuous-servo (AF-C) Face-Priority AF available in Live View only and D-Movie only Full-time Servo (AF-A) available in Live View only and D-Movie only Manual (M) with electronic rangefinder Normal area AF Single-servo AF (AF-S) Wide area AF
Maximum Autofocus Areas/Points	
51	51
Built-in Flash	
	Yes
Flash Bracketing	
2 to 5 frames in steps of 2 or 3 EV 2 to 9 frames in steps of 1/3, 1/2, 2/3 or 1 EV	2 to 5 frames in steps of 2 or 3 EV 2 to 9 frames in steps of 1/3, 1/2, 2/3 or 1 EV
Top FP High Speed Sync	
Up to 1/8000	Up to 1/4000
Flash Sync Modes	
Front-curtain sync (normal) Rear-curtain sync Red-Eye reduction Red-Eye reduction with slow sync Slow sync Off	Auto Auto FP High-Speed Sync supported Auto with red-eye reduction Auto slow sync Auto slow sync with red-eye reduction Fill-flash Rear-curtain sync Rear-curtain with slow sync Red-Eye reduction Red-Eye reduction with slow sync Slow sync Off
Flash Compensation	
-3 to +1 EV in increments of 1/3, 1/2 or 1 EV	-3 to +1 EV in increments of 1/3, 1/2 or 1 EV
Nikon Creative Lighting System (CLS)	
i-TTL flash control, radio-controlled Advanced Wireless Lighting, optical Advanced Wireless Lighting, modeling illumination, FV lock, Color Information Communication, Auto FP High-Speed Sync, AF-assist for multi-area AF (viewfinder photography), unified flash control	CLS Supported
White Balance	
Auto (3 types) Choose color temperature (2500K to 10000K) Cloudy Direct Sunlight Flash Fluorescent (7 types) Incandescent Natural Light Auto Preset manual (up to 6 values can be stored, spot white balance measurement available during live view) Shade All except choose color temperature with fine-tuning	Auto (2 types) Choose color temperature (2500K to 10000K) Cloudy Direct Sunlight Flash Fluorescent (7 types) Incandescent Preset manual (up to 6 values can be stored, spot white balance measurement available during live view) Shade
White Balance Bracketing	

2 to 9 exposures in increments of 1, 2 or 3 EV	2 to 9 exposures in increments of 1, 2 or 3 EV
<b>Live View Shooting</b>	
Photography Live View Mode Movie Live View Mode	Photography Live View Mode Movie Live View Mode
<b>Movie</b>	
4K UHD 3,840x2,160 / 30 fps 4K UHD 3,840x2,160 / 25 fps 4K UHD 3,840x2,160 / 24 fps Full HD 1,920x1,080 / 120 fps Full HD 1,920x1,080 / 100 fps Full HD 1,920x1,080 / 60 fps Full HD 1,920x1,080 / 50 fps Full HD 1,920x1,080 / 30 fps Full HD 1,920x1,080 / 25 fps Full HD 1,920x1,080 / 24 fps Slow-motion: Full HD 1,920x1,080 30p (x4) Slow-motion: Full HD 1,920x1,080 25p (x4) Slow-motion: Full HD 1,920x1,080 24p (x5) Actual frame rates for 120p, 100p, 60p, 50p, 30p, 25p, and 24p are 119.88, 100, 59.94, 50, 29.97, 25, and 23.976 fps respectively Quality selection available at all sizes except 3,840 x 2,160 (when quality is fixed at high) and 1,920 x 1,080 slow-motion (when quality is fixed at normal)	Full HD 1,920x1,080 / 60 fps Full HD 1,920x1,080 / 50 fps Full HD 1,920x1,080 / 30 fps Full HD 1,920x1,080 / 25 fps Full HD 1,920x1,080 / 24 fps HD 1,280x720 / 60 fps HD 1,280x720 / 50 fps
<b>Movie Audio</b>	
Built-in stereo or external microphone with attenuator option; sensitivity adjustable	Built-in microphone, stereo External stereo microphone (optional)
<b>Monitor Size</b>	
3.2 in. diagonal	3.2 in. diagonal
<b>Monitor Resolution</b>	
2,359,000 Dots	1,229,000 Dots
<b>Monitor Type</b>	
TFT touch-sensitive LCD with 170° viewing angle Approximately 100% frame coverage, 11-level manual brightness adjustment, and color balance control	Wide Viewing Angle TFT-LCD
<b>Playback Functions</b>	
Auto Image Rotation Full-Frame and Thumbnail (4, 9, or 72 images or calendar) Highlights Histogram Display Index Marking Location Display Movie Playback Movie Slideshow Photo Information Photo Slideshow Picture Rating Playback with Playback Zoom Playback Zoom Cropping	Auto Image Rotation Full-Frame and Thumbnail (4, 9, or 72 images or calendar) Highlights Histogram Display Image Comment Movie Playback Movie Slideshow Playback with Zoom Slideshow
<b>In-Camera Image Editing</b>	
Color Balance Color Outline Color Sketch D-Lighting Distortion Control Edit Movie Filter Effects Fisheye Image Overlay Miniature Effect Monochrome NEF (RAW) Processing Perspective Control Quick Retouch Red-Eye Correction Resize Selective Color Side-by-Side Comparison Straighten Trim	Color Balance Color Outline Color Sketch D-Lighting Distortion Control Edit Movie Filter Effects Fisheye Image Overlay Miniature Effect Monochrome NEF (RAW) Processing Perspective Control Quick Retouch Red-Eye Correction Resize Selective Color Side-by-Side Comparison Straighten Trim
<b>GPS</b>	
GP-1 GPS unit GP-1A GPS unit	GP-1 GPS unit GP-1A GPS unit

Battery / Batteries	
EN-EL15b Rechargeable Li-ion Battery EN-EL15a/EN-EL15 batteries can also be used. Note, however, that fewer pictures may sometimes be taken on a single charge with the EN-EL15 than with an EN-EL15b/EN-EL15a. EH-7P Charging AC adapter can be used to charge EN-EL15b batteries only.	EN-EL15 Lithium-ion Battery
Battery Life (shots per charge)	
2,260 shots (CIPA)	1,230 shots (CIPA)
AC Adapter	
EH-5d/EH-5c/EH-5b AC Adapter; requires EP-5B Power Connector (available separately)	EH-5b AC Adapter; requires EP-5B Power Connector (available separately)
Approx. Dimensions (Width x Height x Depth)	
5.7 in.143.5 mm x 4.6 in.115.5 mm x 3 in.76 mm	5.6 in.140.5 mm x 4.5 in.113 mm x 3.1 in.78 mm
Approx. Weight	
29.7 oz.840 gcamera body only	26.5 oz.750 gcamera body only

\*\* Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer.

\*\*\* Refer to the product manual or the Compatible Lenses Specification for additional details.

\*\*\*\* Product images not available in this version of Safari.