

At a Glance

|   |  |  |   |
|---|--|--|---|
| <b>Effective Pixels</b><br>(Megapixels)<br>24.2 million | <b>Top Continuous Shooting<br/>Speed at full resolution</b><br>4 frames per second | <b>Movie</b><br>Full HD 1,920x1,080 / 30 fps<br>Full HD 1,920x1,080 / 25 fps<br>Full HD 1,920x1,080 / 24 fps<br>HD 1,280x720 / 60 fps<br>HD 1,280x720 / 50 fps<br>VGA 640x424 / 30 fps<br>VGA 640x424 / 25 fps | <b>Battery / Batteries</b><br>One EN-EL14a Rechargeable<br>Li-ion Battery or EN-EL14<br>Rechargeable Li-ion Battery |
| <b>Sensor Size</b><br>23.2 mm x 15.4 mm                 | <b>ISO Sensitivity</b><br>ISO 100 - 6400<br>Hi-1 (ISO 12,800)                      |  | <b>Approx. Dimensions (Width<br/>x Height x Depth)</b><br>5.0 in. (125 mm) x 3.8 in. (96<br>mm) x 3.1 in. (76.5 mm) |
| <b>Image Sensor Format</b><br>DX                        |  | <b>Monitor Size</b><br>3.0 in. diagonal  | <b>Approx. Weight</b><br>16 oz. (455 g)<br><i>camera body only</i>  |
| <b>Storage Media</b><br>SD<br>SDHC<br>SDXC              |  | <b>Monitor Type</b><br>Wide Viewing Angle TFT-<br>LCD  |   |

▼ Type

|                   |                                   |
|-------------------|-----------------------------------|
| <b>Type</b>       | Single-lens reflex digital camera |
| <b>Lens Mount</b> | Nikon F bayonet mount             |

▼ Image Sensor

|                                      |  |
|--------------------------------------|--|
| <b>Picture Angle</b>                 | Nikon DX format (Effective picture angle 1.5x [Approx.] conversion factor) |
| <b>Effective Pixels (Megapixels)</b> | 24.2 million   |
| <b>Sensor Size</b>                   | 23.2 mm x 15.4 mm  |
| <b>Image Sensor Format</b>           | DX   |
| <b>Image Sensor Type</b>             | CMOS   |
| <b>Total Pixels</b>                  | 24.7 million   |
| <b>Dust-reduction system</b>         | Image sensor cleaning  |
| <b>Image Area (pixels)</b>           | DX-format<br>(L) 6,016 x 4,000<br>(M) 4,512 x 3,000<br>(S) 3,008 x 2,000   |

▼ File System

|                                 |  |
|---------------------------------|--|
| <b>File Format Still Images</b> | Compressed 12-bit NEF (RAW)<br>JPEG: JPEG-Baseline Compliant with fine (approx 1:4), Normal (approx 1:8) or Basic (approx 1:16) Compression<br>NEF (RAW) + JPEG: Single Photograph Recorded in both NEF (RAW) and JPEG Formats |
| <b>Storage Media</b>            | SD<br>SDHC<br>SDXC   |
| <b>Card Slot</b>                | 1 Secure Digital (SD)  |
| <b>File System</b>              | Compliant with DCF (Design Rule for Camera File System) 2.0<br>DPOF (Digital Print Order Format)<br>EXIF 2.3 (Exchangeable Image File Format for Digital Still Cameras)  |

▼ Viewfinder

|                                      |   |
|--------------------------------------|---|
| <b>Viewfinder</b>                    | Eye-level Pentamirror Single-Lens Reflex viewfinder |
| <b>Viewfinder Frame Coverage</b>     | 95% Horizontal (Approx.)                            |
| <b>Viewfinder Magnification</b>      | 0.78x (Approx.)                                     |
| <b>Viewfinder Eyepoint</b>           | 18mm (~1.0m <sup>-1</sup> )                         |
| <b>Viewfinder Diopter Adjustment</b> | -1.7 to +0.5m <sup>-1</sup>                         |
| <b>Focusing Screen</b>               | Type B BriteView Clear Matte Mark VII screen        |
| <b>Reflex Mirror</b>                 | Quick-return type                                   |
| <b>Mirror Lock Up</b>                | Yes (for image sensor cleaning)                     |

▼ Lens

|  |  |
|--|--|
| <b>Lens Aperture</b>                     | Instant-return type  |
| <b>Lens Compatibility at a Glance***</b> | AF-S Lens Required for Autofocus   |
| <b>Compatible Lenses</b>                 | AF NIKKOR for F3AF not Supported.<br>AF-S, AF-I: All Functions Supported.<br>AF-P NIKKOR: All Functions Supported Except Autofocus and 3D Color Matrix Metering II.<br>Electronic rangefinder can be used if Maximum Aperture is f/5.6 or Faster.<br>IX NIKKOR Lenses Cannot be Used.<br>Non-CPU: Autofocus not supported. Can be used in mode M, but exposure meter does not function.<br>Other AF NIKKOR: All Functions Supported Except autofocus and 3D Color Matrix Metering II.<br>Type G or D AF NIKKOR: All Functions Supported Except Autofocus.<br>Type D PC NIKKOR: All Functions Supported Except Autofocus and some Shooting Modes. |

▼ Shutter

|   |   |
|---|---|
| <b>Shutter Type</b>                                     | Electronically controlled vertical-travel focal-plane   |
| <b>Shutter Speed</b>                                    | 1/4000 to 30 sec.   |
| <b>Fastest Shutter Speed</b>                            | 1/4000 sec.   |
| <b>Slowest Shutter Speed</b>                            | 30 sec.   |
| <b>Flash Sync Speed</b>                                 | Up to 1/200 sec.  |
| <b>Shutter Release Modes</b>                            | Continuous<br>Delayed remote<br>Quick Response Remote Mode<br>Quiet shutter-release<br>Self-timer Mode<br>Single-frame [S] mode |
| <b>Frame Advance Rate</b>                               | Up to 4 fps (manual focus, mode M or S, shutter speed 1/250 sec or faster, and other settings at default values)                |
| <b>Top Continuous Shooting Speed at full resolution</b> | 4 frames per second   |
| <b>Self-timer</b>                                       | 2, 5, 10, 20 sec.<br><i>Timer duration electronically controlled</i>  |

▼ Exposure

|                                 |   |
|---------------------------------|---|
| <b>Exposure Metering System</b> | TTL exposure metering using 420-pixel RGB sensor  |
| <b>Metering Method</b>          | Center-weighted: Weight of 75% given to 8 mm circle in center of frame<br>Matrix: 3D color matrix metering II (type G and D lenses); color matrix metering II (other CPU lenses)<br>Spot: Meters 3.5 mm circle (about 2.5% of frame) centered on selected focus point |
| <b>Metering Range</b>           | 0 to 20 EV (Matrix or center-weighted metering at ISO 100 equivalent, f/1.4 lens, at 20°C/68°F)<br>2 to 20 EV (Spot metering at ISO 100 equivalent, f/1.4 lens at 20°C/68°F)  |
| <b>Exposure Meter Coupling</b>  | CPU   |
| <b>Exposure Modes</b>           | Aperture-Priority Auto (A)<br>Auto<br>Auto (flash off)<br>Manual (M)<br>Programmed Auto with flexible Program (P)<br>Shutter-Priority Auto (S)  |
| <b>Scene Modes</b>              | Auto<br>Auto [Flash Off]<br>Child<br>Close-up<br>Landscape<br>Night Portrait<br>Portrait<br>Sports  |
| <b>Exposure Compensation</b>    | ±5 EV in increments of 1/3EV  |
| <b>Exposure Lock</b>            | Luminosity locked at detected value with AE-L/AF-L button   |
| <b>Picture Control</b>          | Landscape<br>Monochrome<br>Neutral<br>Portrait<br>Selected Picture Control can be Modified<br>Standard<br>Vivid   |

▼ Sensitivity

|   |  |
|---|--|
| <b>ISO Sensitivity</b>                  | ISO 100 - 6400<br>Hi-1 (ISO 12,800)  |
| <b>Lowest Standard ISO Sensitivity</b>  | 100  |
| <b>Highest Standard ISO Sensitivity</b> | 6400   |
| <b>Highest Expanded ISO Sensitivity</b> | 1 EV above ISO 6400 (ISO 12800 equivalent)   |
| <b>Expanded ISO Sensitivity Options</b> | 1 EV above ISO 6,400 (ISO 12,800 equivalent)<br>Auto ISO sensitivity control available |
| <b>High ISO Noise Reduction</b>         | Low<br>Normal<br>High<br>Off   |
| <b>Active D-Lighting</b>                | On<br>Off  |

|                                       |   |
|---------------------------------------|---|
| <b>Focus/Autofocus</b>                |   |
| <b>Single-point AF Mode</b>           | Yes   |
| <b>Dynamic AF Mode</b>                | Number of AF points: 11 (3D-tracking)   |
| <b>Auto-area AF Mode</b>              | Yes   |
| <b>Autofocus System</b>               | Nikon Multi-CAM 1000 autofocus sensor module with TTL phase detection   |
| <b>Detection Range</b>                | -1 to 19 EV (ISO 100, 68°F/20°C)  |
| <b>Lens Servo</b>                     | Autofocus (AF): Single-servo AF (AF-S); Continuous-servo AF (AF-C); auto AF-S/AF-C selection (AF-A); predictive focus tracking activated automatically according to subject status<br>Manual focus (MF): Electronic rangefinder can be used   |
| <b>Focus Point</b>                    | Can be selected from 11 focus points  |
| <b>Focus Lock</b>                     | Focus can be locked by pressing AE-L/AF-L button<br>Focus can be locked by pressing shutter-release button halfway (single-servo AF)  |
| <b>Focus Modes</b>                    | Auto AF-S/AF-C selection (AF-A)<br>Continuous-servo (AF-C)<br>Face-Priority AF available in Live View only and D-Movie only<br>Full-time Servo (AF-A) available in Live View only and D-Movie only<br>Manual (M) with electronic rangefinder<br>Normal area available in Live View and D-Movie only<br>Predictive focus tracking activated automatically according to subject status<br>Single-servo AF (AF-S)<br>Wide area available in Live View and D-Movie only |
| <b>Maximum Autofocus Areas/Points</b> | 11  |
| <b>Autofocus Sensitivity</b>          | -1 to +19 EV (ISO 100, 20°C/68°F)   |

▼ Flash

|   |   |
|---|---|
| <b>Built-in Flash</b>                       | Yes   |
| <b>X-Sync Speed</b>                         | 1/200   |
| <b>Flash Control</b>                        | TTL: i-TTL flash control using 420-pixel RGB sensor is available with built-in flash and SB-910, SB-900, SB-800, SB-700, SB-600, or SB-400; i-TTL balanced fill-flash for digital SLR is used with matrix and center-weighted |
| <b>Flash Sync Modes</b>                     | Front-curtain sync (normal)<br>Rear-curtain sync<br>Red-Eye reduction<br>Red-Eye reduction with slow sync<br>Slow sync  |
| <b>Flash Compensation</b>                   | -3 to +1 EV in increments of 1/3 EV   |
| <b>Flash-ready Indicator</b>                | Lights when built-in flash or optional flash unit such as SB-910, SB-900, SB-400, SB-80DX, SB-28DX or SB-50DX is fully charged  |
| <b>Accessory Shoe</b>                       | Yes   |
| <b>Nikon Creative Lighting System (CLS)</b> | CLS Supported   |
| <b>Flash Sync Terminal</b>                  | Sync Terminal Adapter AS-15 (available separately)  |

▼ White Balance

|                      |   |
|----------------------|---|
| <b>White Balance</b> | Auto<br>Cloudy<br>Direct Sunlight<br>Flash<br>Fluorescent (7 types)<br>Incandescent<br>Preset Manual<br>Shade |
|----------------------|---|

▼ Live View

|                                      |  |
|--------------------------------------|--|
| <b>Live View Shooting</b>            | Yes  |
| <b>Live View Lens servo</b>          | Autofocus (AF): Single-servo AF (AF-S); full-time-servo AF (AF-F)<br>Manual focus (MF)   |
| <b>Live View AF-area mode</b>        | Face-priority AF<br>Wide-area AF<br>Normal-area AF<br>Subject-tracking AF  |
| <b>Live View Autofocus</b>           | Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected) |
| <b>Live View Scene Auto Selector</b> | Auto mode<br>Auto (flash off) mode   |

▼ Movie

|                                     |  |
|-------------------------------------|--|
| <b>Movie Metering</b>               | TTL exposure metering using main image sensor  |
| <b>Movie Maximum recording time</b> | 20 min.  |
| <b>Movie File Format</b>            | MOV  |
| <b>Movie Video Compression</b>      | H.264/MPEG-4 Advanced Video Coding   |
| <b>Movie Audio recording format</b> | Linear PCM   |
| <b>Movie</b>                        | Full HD 1,920x1,080 / 30 fps<br>Full HD 1,920x1,080 / 25 fps<br>Full HD 1,920x1,080 / 24 fps<br>HD 1,280x720 / 60 fps<br>HD 1,280x720 / 50 fps<br>VGA 640x424 / 30 fps<br>VGA 640x424 / 25 fps |
| <b>Movie Audio</b>                  | Built-in microphone, monaural<br>Optional external stereo mini-pin jack (3.5mm diameter)<br>Microphone sensitivity can be adjusted   |

▼ Monitor

|                              |                                |
|------------------------------|--------------------------------|
| <b>Monitor Size</b>          | 3.0 in. diagonal               |
| <b>Monitor Resolution</b>    | 921,000 Dots                   |
| <b>Monitor Type</b>          | Wide Viewing Angle TFT-LCD     |
| <b>Monitor Angle of View</b> | 160 -degree wide-viewing angle |

▼ Playback

|                                |   |
|--------------------------------|---|
| <b>Playback Functions</b>      | Auto Image Rotation<br>Full-Frame and Thumbnail (4, 9, or 72 images or calendar)<br>Highlights<br>Histogram Display<br>Image Comment<br>Movie Playback<br>Playback with Zoom<br>Slideshow   |
| <b>In-Camera Image Editing</b> | Color Balance<br>Color Outline<br>Color Sketch<br>D-Lighting<br>Distortion Control<br>Filter Effects<br>Fisheye<br>Image Overlay<br>Miniature Effect<br>Monochrome<br>NEF (RAW) Processing<br>Perspective Control<br>Quick Retouch<br>Red-Eye Correction<br>Resize<br>Selective Color<br>Straighten<br>Trim |

▼ Interface

|                            |   |
|----------------------------|---|
| <b>Interface</b>           | Accessory Terminal: Remote Cord: MC-DC2 (available separately); GPS unit: GP-1 (available separately)<br>Audio Input: Stereo mini-pin jack (3.5-mm diameter)<br>HDMI Input: Type C mini-pin HDMI connector<br>Hi-speed USB<br>Video Output: NTSC, PAL |
| <b>Wi-Fi Functionality</b> | Eye-Fi Compatible   |
| <b>GPS</b>                 | GP-1 GPS unit   |

▼ Menus

|  |  |
|--|--|
| <b>Recent Settings</b>                               | Yes  |
| <b>Supported Languages</b>                           | Arabic<br>Brazilian Portuguese<br>Chinese (Simplified and Traditional)<br>Czech<br>Danish<br>Dutch<br>English<br>Finnish<br>French<br>German<br>Greek<br>Hindi<br>Hungarian<br>Indonesian<br>Italian<br>Japanese<br>Korean<br>Norwegian<br>Polish<br>Portuguese<br>Romanian<br>Russian<br>Spanish<br>Swedish<br>Thai<br>Turkish<br>Ukrainian |
| <b>Date, Time and Daylight Savings Time Settings</b> | Yes  |
| <b>World Time Setting</b>                            | Yes  |

▼ Power

|  |   |
|--|---|
| <b>Battery / Batteries</b>             | One EN-EL14a Rechargeable Li-ion Battery or EN-EL14 Rechargeable Li-ion Battery |
| <b>Battery Life (shots per charge)</b> | 540 shots (CIPA)  |
| <b>AC Adapter</b>                      | EH-5b AC Adapter; requires EP-5A Power Connector (available separately)         |
| <b>Battery Charger</b>                 | MH-24 Quick Charger   |

▼ Miscellaneous

|  |  |
|--|--|
| <b>Tripod Socket</b>                               | 1/4 in.  |
| <b>Approx. Dimensions (Width x Height x Depth)</b> | 5.0 in. (125 mm) x 3.8 in. (96 mm) x 3.1 in. (76.5 mm) |
| <b>Approx. Weight</b>                              | 16 oz. (455 g)<br><i>camera body only</i>              |
| <b>Operating Environment</b>                       | 0–40 °C (+32–104 °F)                                   |