![Nikon logo — At the heart of the image™]

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**D500™ | D7200™ | D300s™**

COMPARISON SHEET

DX

EXPEED 5

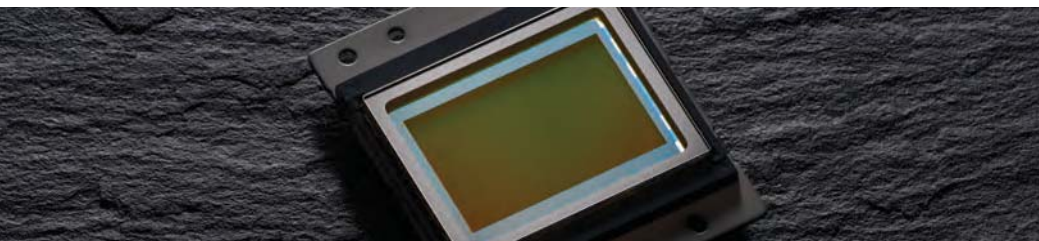| Sensor & Resolution | D500 | D7200 | D300s |
|---|---|---|---|
| Sensor Size | 23.5mm × 15.7mm (DX) | 23.5mm x 15.6mm (DX) | 23.6mm x 15.8mm (DX) |
| Resolution | 20.9MP DX-format<br>CMOS sensor without OLPF | 24.2MP DX-format<br>CMOS sensor without OLPF | 12.3MP DX-format<br>CMOS sensor |
| **Image Quality** | | | |
| Image Processing Engine | EXPEED 5 | EXPEED 4 | EXPEED |
| ISO Sensitivity Range | ISO 100 – 51,200<br>(expandable to ISO 50 - 1,640,000 equivalent) | ISO 100 – 25,600<br>(expandable to Hi-2BW ISO 102,400 equivalent) | ISO 200 – 3,200<br>(expandable to ISO 100 - 6,400 equivalent) |
| File Format | 12- or 14-bit NEF (Large RAW),<br>12-bit lossless compressed for Medium/Small RAW, TIFF,<br>JPEG, NEF (RAW) + JPEG (L/M/S) | 12- or 14-bit NEF (RAW) File support<br>JPEG- fine (approx. 1:4), normal (approx. 1: 8),<br>basic (approx. 1:16), TIFF (RGB) | 12-bit and 14-bit NEF (RAW) File support<br>JPEG, TIFF (RGB) |

| Advanced Scene Recognition System | D500 | D7200 | D300s |
|---|---|---|---|
| 3D Color Matrix Metering | 180k-pixel RGB Sensor | 2,016-pixel RGB Sensor | 1,005-pixel RGB Sensor |
| Advanced Scene Recognition System | Yes | No | No |
| White Balance: Keep White | Yes<br>More natural color reproduction is achieved by combining EXPEED 5 and auto white balance | No | No |

| High Speed Continuous Shooting | | | |
|---|---|---|---|
| Frame Advance Rate | CH: 10 fps<br>CL: 1–9 fps<br>QC: 3 fps | CH: 6 fps in DX mode, 7 fps in 1.3x mode<br>CL: 1–9 fps | CH: 8 fps<br>CL: 1–7 fps |
| Buffer capacity | NEF (RAW), Lossless compressed, 14-bit: 200 shots<br>NEF (RAW), Uncompressed, 14-bit: 79 shots | NEF (RAW), Lossless compressed, 14-bit: 18 shots<br>NEF (RAW), Uncompressed, 14-bit: N/A | NEF (RAW), Lossless compressed, 14-bit: 30 shots<br>NEF (RAW), Uncompressed, 14-bit: 19 shots |





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| Autofocus Detection and Acquisition | D500 | D7200 | D300s |
|---|---|---|---|
| AF Sensor | Multi-CAM 20K autofocus sensor module with TTL phase detection, fine-tuning, and 153 focus points (including 99 cross-type sensors and 15 sensors that support f/8), of which 55 (35 cross type sensors and 9 f/8 sensors) are available for selection | Advanced Multi-CAM 3500 II Phase Detect AF 51 AF Points 15 Cross Type AF Sensors | Advanced Multi-CAM 3500 II Phase Detect AF 51 AF Points 15 Cross Type AF Sensors |
| Dedicated AF Processor | Yes | No | No |
| Minimum Brightness | -4 to +20 EV (ISO 100, 20 °C/68 °F) | -3 to +19 EV (ISO 100, 20°C/68°F) | -1 to +19 EV (ISO 100, 20°C/68°F) |
| AF Modes | Single-point Dynamic Area 25 AF points Dynamic Area 72 AF points Dynamic Area 153 AF points Group Area AF 3D-Tracking Auto Area AF | Single-point Dynamic Area 9 AF points Dynamic Area 21 AF points Dynamic Area 51 AF points 3D-Tracking Auto Area AF | Single-point Dynamic Area 9 AF points Dynamic Area 21 AF points Dynamic Area 51 AF points 3D-Tracking Auto Area AF |
| Focus Tracking with Lock On | Yes | Yes | Yes |
| 3D Tracking | 3D Tracking: Face Detection (ON/OFF) 3D Tracking: Watch Area (Wide/Normal) | 3D Tracking: Face Detection (ON/OFF) 3D Tracking: Watch Area (Wide/Normal) | Yes |
| Contrast Detect AF | AF-S AF-F | AF-S AF-F | No |

| Viewing | D500 | D7200 | D300s |
|---|---|---|---|
| Viewfinder Frame Coverage | Frame coverage: Approx. 100%, magnification: approx. 1.0× | Frame coverage: Approx. 100%, magnification: approx. 0.94× | Frame coverage: Approx. 100%, magnification: approx. 0.94× |
| LCD Monitor | Tilting 3.2-in Approx. 2,359k-dot Touch screen LCD (RGBW) | 3.2-in, Approx. 1,229k-Dot (RGBW) | 3.0-in, Approx. 921k-Dot (RGB) |
| Touch Screen Function | Yes | No | No |

| Speedlight Control | D500 | D7200 | D300s |
|---|---|---|---|
| Auto Flash ISO Sensitivity Control | Yes | No | No |
| Advanced Wireless Lighting (AWL) | Yes: Via Compatible Speedlight or Speedlight Commander SU-800<br><br>Up to 3 Groups: A/B/C<br>Up to 4 Channels | Yes: Via Compatible Speedlight, Built-in Commander or Speedlight Commander SU-800 | Yes: Via Compatible Speedlight or Speedlight Commander SU-800<br><br>Up to 2 Groups: A/B<br>Up to 4 Channels |
| Radio Control Advanced Wireless Lighting (AWL) | Yes: When using WR-R10/WR-A10 Wireless Remote Controller and SB-5000 Speedlight<br><br>Wireless control SB-5000 via radio control up to 98 feet<br><br>Up to 18 Radio Control Speedlights<br><br>Up to 6 Groups: A/B/C/D/E/F<br>Up to 3 Channels: 5/10/15<br><br>Can be mixed using optical system (SB-900 series, SB-800 series, SB-700, SB-600, SB-500) and Radio Control using SB-5000<br><br>Unified Flash Control using SB-5000 and Camera Control Pro 2 software (version 2.23.0 or later) Remote setting possible using D500 Flash Control menu setting | No | No |

| Movie Features | D500 | D7200 | D300s |
|---|---|---|---|
| Frame Size and Frame rate | 4K UHD: 3840 × 2160 30/25/24p<br>Full HD: 1920 x 1080 60/50/30/25/24p | Full HD: 1920 x 1080 30/25/24p<br>1920 x 1080 60/50p (1.3X Crop) | VGA 640 x 424 24p |
| Recorded in-camera to memory card | 4K UHD: Yes<br>1080p: Yes | 1080p: Yes | VGA: Yes |
| Multi-area mode Full HD Image Area D-Movie Options | DX<br>1.3x<br>4K UHD: 1.5x | DX<br>1.3x | DX |
| Simultaneous recording to memory card and external recorder | Yes | No | No |
| View simultaneous live view output and record uncompressed video via HDMI | Yes | Yes | No |
| Selectable audio frequency range | Yes<br>Wide/Vocal | Yes<br>Wide/Vocal | No |
| ISO range | ISO 100 – 51,200<br>(expandable to 1,640,000 equivalent) | 100-25,600 | 200-3,200 |
| Save frame as a still frame | 4K UHD: 3840 x 2160 (approx. 8MP) JPEG Fine | Full HD: 1920 x 1080 JPEG Fine | No |
| Flat Picture Control | Yes | Yes | No |
| Dedicated Movie Shooting Menu | Yes | Yes | No |
| Smooth Exposure | Yes | No | No |
| Highlight Display: Zebra Stripes | Yes | Yes | No |
| Power Aperture Control | Yes | No | No |
| Electronic VR | Yes | No | No |

| Wired and Wireless Communication System | **D500**™ | **D7200**™ | **D300s**™ |
|---|---|---|---|
| Wi-Fi | Built-In | Built-In | No |
| Bluetooth | Built-In | No | No |
| NFC | Built-In | Built-In | No |
| Wired and Wireless LAN | WT-7A | Wired LAN via UT-1<br>Wireless LAN via UT-1 + WT-5A | WT-4a |

| Camera Handling and Operation | | | |
|---|---|---|---|
| Dual memory card slots | XQD + SD | SD + SD | CF + SD |
| Fn Buttons | 1 Front facing button<br>1 Rear facing button | 1 Front facing button | 1 Front facing button |
| In-Camera Time-Lapse Movie Function | Yes: Full HD & 4K UHD | Yes: Full HD | No |
| Interval timer | Yes | Yes | Yes |
| Multiple Exposure | Select from 2 to 10 NEF (RAW) | Select from 2 to 3 NEF (RAW) | Select from 2 to 10 NEF (RAW) |
| Battery | EN-EL15 | EN-EL15 | EN-EL3e |

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