



At the heart of the image™



I AM CONDENSED POWER

D500™ | D7200™ | D300s™

COMPARISON SHEET





EXPEED 5



Sensor & Resolution

D500

D7200

D300s

Sensor Size

23.5mm x 15.7mm (DX)

23.5mm x 15.6mm (DX)

23.6mm x 15.8mm (DX)

Resolution

20.9MP DX-format
CMOS sensor without OLPF

24.2MP DX-format
CMOS sensor without OLPF

12.3MP DX-format
CMOS sensor

Image Quality

Image Processing Engine

EXPEED 5

EXPEED 4

EXPEED

ISO Sensitivity Range

ISO 100 – 51,200
(expandable to ISO 50 - 1,640,000 equivalent)

ISO 100 – 25,600
(expandable to Hi-2BW ISO 102,400 equivalent)

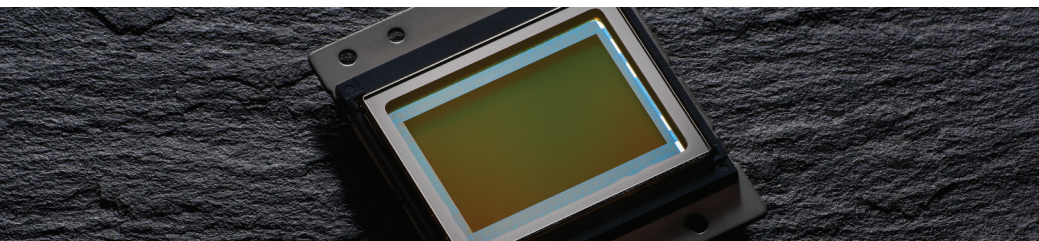
ISO 200 – 3,200
(expandable to ISO 100 - 6,400 equivalent)

File Format

12- or 14-bit NEF (Large RAW),
12-bit lossless compressed for Medium/Small RAW, TIFF,
JPEG, NEF (RAW) + JPEG (L/M/S)

12- or 14-bit NEF (RAW) File support
JPEG- fine (approx. 1:4), normal (approx. 1: 8),
basic (approx. 1:16), TIFF (RGB)

12-bit and 14-bit NEF (RAW) File support
JPEG, TIFF (RGB)



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nikonusa.com





Advanced Scene Recognition System

3D Color Matrix Metering

Advanced Scene Recognition System

White Balance: Keep White

D500™

180k-pixel RGB Sensor

Yes

Yes

More natural color reproduction is achieved by combining EXPEED 5 and auto white balance

D7200™

2,016-pixel RGB Sensor

No

No

D300s™

1,005-pixel RGB Sensor

No

No

High Speed Continuous Shooting

Frame Advance Rate

Buffer capacity

CH: 10 fps
CL: 1–9 fps
QC: 3 fps

NEF (RAW), Lossless compressed, 14-bit: 200 shots
NEF (RAW), Uncompressed, 14-bit: 79 shots

CH: 6 fps in DX mode, 7 fps in 1.3x mode
CL: 1–9 fps

NEF (RAW), Lossless compressed, 14-bit: 18 shots
NEF (RAW), Uncompressed, 14-bit: N/A

CH: 8 fps
CL: 1–7 fps

NEF (RAW), Lossless compressed, 14-bit: 30 shots
NEF (RAW), Uncompressed, 14-bit: 19 shots





Autofocus Detection and Acquisition

D500™

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

Dedicated AF Processor

Yes

Minimum Brightness

-4 to +20 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

Focus Tracking with Lock On

Yes

3D Tracking

3D Tracking: Face Detection (ON/OFF)
3D Tracking: Watch Area (Wide/Normal)

Contrast Detect AF

AF-S
AF-F

D7200™

Advanced Multi-CAM 3500 II
Phase Detect AF
51 AF Points
15 Cross Type AF Sensors

No

-3 to +19 EV (ISO 100, 20°C/68°F)

Single-point
Dynamic Area 9 AF points
Dynamic Area 21 AF points
Dynamic Area 51 AF points
3D-Tracking
Auto Area AF

Yes

3D Tracking: Face Detection (ON/OFF)
3D Tracking: Watch Area (Wide/Normal)

AF-S
AF-F

D300s™

Advanced Multi-CAM 3500 II
Phase Detect AF
51 AF Points
15 Cross Type AF Sensors

No

-1 to +19 EV (ISO 100, 20°C/68°F)

Single-point
Dynamic Area 9 AF points
Dynamic Area 21 AF points
Dynamic Area 51 AF points
3D-Tracking
Auto Area AF

Yes

Yes

No



Viewing

D500™

D7200™

D300s™

Viewfinder Frame Coverage

Frame coverage: Approx. 100%,
magnification: approx. 1.0x

Frame coverage: Approx. 100%,
magnification: approx. 0.94x

Frame coverage: Approx. 100%,
magnification: approx. 0.94x

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

Auto Flash ISO Sensitivity Control

Advanced Wireless Lighting (AWL)

Radio Control Advanced Wireless Lighting (AWL)

D500™

Yes

Yes: Via Compatible Speedlight or Speedlight Commander SU-800

Up to 3 Groups: A/B/C
Up to 4 Channels

Yes: When using WR-R10/WR-A10 Wireless Remote Controller and SB-5000 Speedlight

Wireless control SB-5000 via radio control up to 98 feet

Up to 18 Radio Control Speedlights

Up to 6 Groups: A/B/C/D/E/F
Up to 3 Channels: 5/10/15

Can be mixed using optical system (SB-900 series, SB-800 series, SB-700, SB-600, SB-500) and Radio Control using SB-5000

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

D7200™

No

Yes: Via Compatible Speedlight, Built-in Commander or Speedlight Commander SU-800

No

D300s™

No

Yes: Via Compatible Speedlight or Speedlight Commander SU-800

Up to 2 Groups: A/B
Up to 4 Channels

No



Movie Features

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Frame Size and Frame rate

4K UHD: 3840 × 2160 30/25/24p
Full HD: 1920 × 1080 60/50/30/25/24p

Full HD: 1920 × 1080 30/25/24p
1920 × 1080 60/50p (1.3X Crop)

VGA 640 × 424 24p

Recorded in-camera to memory card

4K UHD: Yes
1080p: Yes

1080p: Yes

VGA: Yes

Multi-area mode Full HD Image Area D-Movie Options

DX
1.3x
4K UHD: 1.5x

DX
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
Wide/Vocal

Yes
Wide/Vocal

No

ISO range

ISO 100 – 51,200
(expandable to 1,640,000 equivalent)

100-25,600

200-3,200

Save frame as a still frame

4K UHD: 3840 × 2160 (approx. 8MP) JPEG Fine

Full HD: 1920 × 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

Wi-Fi

Bluetooth

NFC

Wired and Wireless LAN

D500™

Built-In

Built-In

Built-In

WT-7A

D7200™

Built-In

No

Built-In

Wired LAN via UT-1
Wireless LAN via UT-1 + WT-5A

D300s™

No

No

No

WT-4a

Camera Handling and Operation

Dual memory card slots

Fn Buttons

In-Camera Time-Lapse Movie Function

Interval timer

Multiple Exposure

Battery

XQD + SD

1 Front facing button
1 Rear facing button

Yes: Full HD & 4K UHD

Yes

Select from 2 to 10 NEF (RAW)

EN-EL15

SD + SD

1 Front facing button

Yes: Full HD

Yes

Select from 2 to 3 NEF (RAW)

EN-EL15

CF + SD

1 Front facing button

No

Yes

Select from 2 to 10 NEF (RAW)

EN-EL3e

D500™



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