



At the heart of the image™



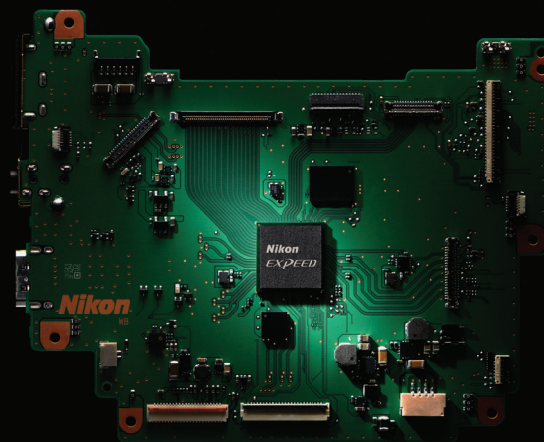
**I AM** VISION OUTPERFORMED

**D5™ | D4s™ | D3s™**  
**COMPARISON SHEET**





EXPEED 5



Sensor & Resolution

D5

D4s

D3s

Sensor

35.9 x 23.9mm CMOS

36.0 x 23.9mm CMOS

36.0 x 23.9mm CMOS

Resolution

20.8MP FX-format CMOS sensor  
Anti-reflection coating is incorporated in various components, minimizing ghost and flare

16.2MP FX-format CMOS sensor

12.1MP FX-format CMOS sensor (4,256 x 2,832)

Image Quality

Image Processing Engine

EXPEED 5  
Improved processing performance  
ISO up to 102,400 and 3,280,000  
New noise reduction system  
25% more shots per charge (approx. 3780 CIPA)  
Supports 4K/UHD 30p, 1080 60p

EXPEED 4  
Increased number of shots (approx 3020 CIPA)  
Higher video quality at high ISO  
Supports 1080 60p

EXPEED

ISO Sensitivity Range

ISO 100 – 102,400  
(ISO 50 - 3,280,000 equivalent)

100 to 25,600  
(ISO 50 to 409,600 equivalent)

200-12,800  
(ISO 100 to 102,400 equivalent)

File Format

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

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

Compressed 12/14-bit NEF (RAW)  
Compressed 12/14-bit NEF (RAW, Lossless  
JPEG, TIFF (RGB)  
Uncompressed 12/14-bit NEF (RAW)





### Advanced Scene Recognition System

#### 3D Color Matrix Metering

#### Advanced Scene Recognition System

#### White Balance: Keep White

# D5™

180k-pixel RGB Sensor

Yes  
Face-detection menu (On/Off [default setting]) added,  
watch area menu added

Auto 0: Keep White Added  
More natural color reproduction is achieved by  
combining EXPEED 5 and auto white balance

# D4s™

91k-pixel RGB Sensor

Yes

No

# D3s™

1,005-pixel RGB Sensor

No  
Scene Recognition System

No

### High Speed Continuous Shooting

#### Frame Advance Rate

#### Buffer Capacity

12 fps with AF/AE: in any image quality or sensitivity  
14 fps with fixed focus and exposure and Mirror UP

Up to 200 shots: When using XQD memory card  
Lossless 12-bit or JPEG/Fine/Large or 14-bit lossless  
compressed\* JPEG/Fine/Large  
1/250 sec or faster

\*When using Lexar Professional 2933x (2.0 card)

11 fps with AF/AE

Up to 133 shots: When using XQD memory card  
Lossless 12-bit or JPEG/Fine/Large  
1/250 sec or faster

9 fps with AF/AE

Up to 82 JPEG (Fine) or 36 14-bit NEF (RAW)  
using CF card





## Autofocus Detection and Acquisition

# D5™

# D4s™

# D3s™

### AF Sensor

Multi-CAM 20K  
Phase Detect AF  
153 AF Points  
99 Cross Type Sensors  
15 AF Sensors to f/8

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

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

### Dedicated AF Processor

Yes

No

No

### Minimum Brightness

EV -4 to EV +20  
(ISO 100, 68°F/20°C)

EV -2 to EV +19  
(ISO 100, 68°F/20°C)

EV -1 to EV +19  
(ISO 100, 68°F/20°C)

### 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  
Group Area AF  
3D-Tracking  
Auto Area

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

### Focus Tracking with Lock On

2 Parameters  
Subject Motion: Erratic/Steady  
Blocked Shot Response: Quick/Slow

5 (Long)  
4 and 3 (Normal)  
2 and 1 (Short)

5 (Long)  
4 and 3 (Normal)  
2 and 1 (Short)

### 3D Tracking

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

Yes

No

### Contrast Detect AF

AF-S  
AF-F  
Focusing time (from half-pressing the shutter release button to the end of the focusing) is shortened up to approx. 50% compared with that of the D4S

AF-S  
AF-F

AF-S  
AF-F



Viewing	D5™	D4s™	D3s™
<b>Viewfinder Frame Coverage</b>	Frame coverage: Approx. 100%, magnification: approx. 0.72x Improved visibility during high-speed continuous shooting (shortened blackout time, reduced image blur)	Frame coverage: approx. 100%, magnification: approx. 0.7x	Frame coverage: approx. 100%, magnification: approx. 0.7x
<b>LCD Monitor</b>	3.2-in Approx. 2,359k-dot XGA: 403 ppi Touch screen for playback, text input	3.2-in Approx. 921k-dot VGA: 253 ppi	3.0-in Approx. 921k-dot VGA: 253 ppi
<b>Touch Screen Function</b>	Yes	No	No
<b>Detachable Eyepiece Adapter</b>	Yes Fluorine Coated for easier cleaning Compatible w/Nikon Rain Cover (optional)	No	No





**Speedlight Control**

**Auto Flash ISO Sensitivity Control**

**Optical Control  
Advanced Wireless Lighting (AWL)**

**Radio Control  
Advanced Wireless Lighting (AWL)**

**D5™**

Yes

Yes: Via Compatible Speedlight or Speedlight Commander SU-800

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

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

Wireless remote 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 (version 2.23.0 or later) Remote setting possible using D5 Flash Control menu setting

**D4s™**

No

Yes: Via Compatible Speedlight or Speedlight Commander SU-800

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

No

**D3s™**

No

Yes: Via Compatible Speedlight or Speedlight Commander SU-800

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

No



Movie Features	D5™	D4s™	D3s™
<b>Frame Size and Frame rate</b>	4K/UHD: 3840 × 2160 30/25/24p Full HD: 1920 × 1080 60/50/30/25/24p (including 60p output to an external recorder under limited conditions)	Full HD: 1920 × 1080 60/50/30/25/24p (including 60p output to an external recorder under limited conditions)	HD 1280 × 720 / 24 fps VGA 640 × 424 / 24 fps QVGA 320 × 216 / 24fps
<b>Recorded in-camera to memory card</b>	4K/UHD: Yes 1080p: Yes	1080p: Yes	720p: Yes
<b>Multi-area mode Full HD D-Movie with three image area options</b>	FX DX: 1.5X 4K/UHD: 1.5X (dot-by-dot readout) 1920 × 1080 Crop: 3X	FX DX: 1.5X 1920 × 1080: 2.7X (dot-dot readout)	FX
<b>Simultaneous recording to memory card and external recorder</b>	Yes	Yes	No
<b>View simultaneous live view output and record uncompressed video via HDMI</b>	Yes	Yes	No
<b>Selectable audio frequency range</b>	Yes Wide/Voice	Yes Wide/Voice	No
<b>ISO range</b>	100-3,280,000	200-25,600	200-6400
<b>Save frame as a still frame</b>	4K/UHD: 3840 × 2160 (approx. 8MP)	Full HD: 1920 × 1080 (approx. 5 MP)	Not Available
<b>Flat Picture Control</b>	Yes	No	No
<b>Dedicated Movie Shooting Menu</b>	Yes	No	No
<b>Smooth Exposure Compensation</b>	Yes	No	No
<b>Highlight Display: Zebra Stripes</b>	Yes	Yes	No
<b>Power Aperture Control</b>	Yes	Yes	No



Wired and Wireless Communication System	D5™	D4s™	D3s™
Wired LAN	1000 Base T Support 400 Mbps	1000 Base T Support 175 Mbps	
Wireless	Via WT-6A	Via WT-5A	Via WT-4A
Transmission	130 Mbps	30 Mbps	
Camera Handling and Operation			
Dual memory card slots	2 Models available: XQD+XQD (G/S/H/N and Professional series supported)  CF+CF (compatible with UDMA 7)	CF+XQD	CF+CF
Quick Settings	Yes Release mode setting can be changed quickly and intuitively with the release mode button (left hand) and command dial (right hand) while looking through the viewfinder	No	No
Fn Buttons	2 Front facing Fn buttons 1 Rear facing Fn button	1 Front facing Fn button	1 Front facing Fn button
In-Camera Time-Lapse Movie Function	Yes: Full HD & 4K UHD	Yes: Full HD	No
Interval timer	Yes Increased number of exposures (up to 9999), setting until one week later is possible	Yes Increased number of exposures (up to 9999), setting until one week later is possible	Yes Increased number of exposures (up to 999)
Battery	One EN-EL18a Rechargeable Li-Ion Approx. 3,780 shots (in Single-frame mode, based on CIPA Standards)	One EN-EL18a Rechargeable Li-Ion Approx. 3,020 shots (in Single-frame mode, based on CIPA Standards)	One EN-EL4a Rechargeable Li-Ion Approx. 2,400 shots (in Single-frame mode, based on CIPA Standards)



# D5™



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