I AM VISION OUTPERFORMED

D5™ | D4s™ | D3s™
COMPARISON SHEET

EXPEED 5
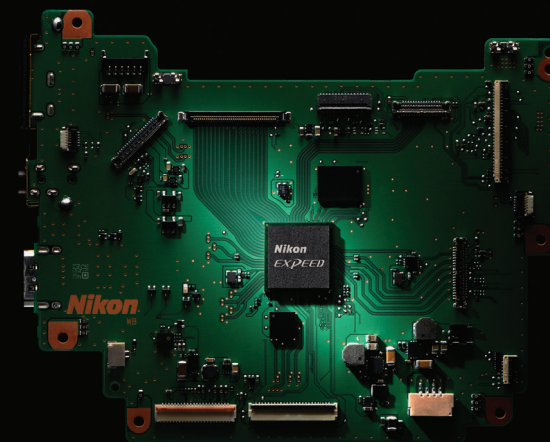
Sensor & Resolution	D5	D4s	D3s
Sensor	35.9 x 23.9mm CMOS	36.0 x 23.9mm CMOS	36.0 x 23.9mm CMOS
Resolution	20.8MP FX-format CMOS sensor Anti-reflection coating is incorporated in various components, minimizing ghost and flare	16.2MP FX-format CMOS sensor	12.1MP FX-format CMOS sensor (4,256 x 2,832)
Image 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)

D5 | D4s | D3s
COMPARISON SHEET

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Advanced Scene Recognition System	**D5**™	**D4s**™	**D3s**™
3D Color Matrix Metering	180k-pixel RGB Sensor	91k-pixel RGB Sensor	1,005-pixel RGB Sensor
Advanced Scene Recognition System	Yes Face-detection menu (On/Off [default setting]) added, watch area menu added	Yes	No Scene Recognition System
White Balance: Keep White	Auto 0: Keep White Added More natural color reproduction is achieved by combining EXPEED 5 and auto white balance	No	No

| High Speed Continuous Shooting			
Frame Advance Rate	12 fps with AF/AE: in any image quality or sensitivity 14 fps with fixed focus and exposure and Mirror UP	11 fps with AF/AE	9 fps with AF/AE
Buffer Capacity	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)	Up to 133 shots: When using XQD memory card Lossless 12-bit or JPEG/Fine/Large 1/250 sec or faster	Up to 82 JPEG (Fine) or 36 14-bit NEF (RAW) using CF card
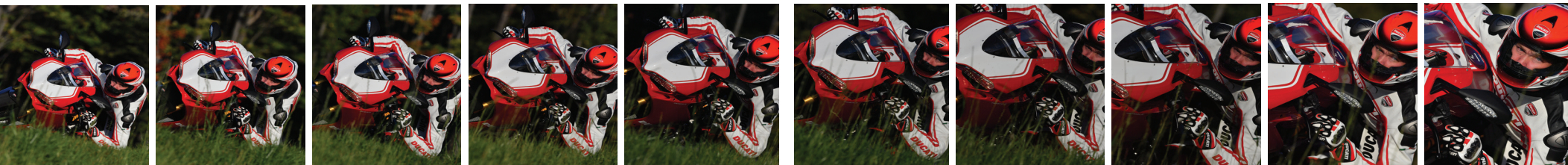
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Autofocus Detection and Acquisition	**D5**™	**D4s**™	**D3s**™
AF Sensor	Multi-CAM 20K Phase Detect AF 153 AF Points 99 Cross Type Sensors 15 AF Sensors to f/8	Advanced Multi-CAM 3500FX Phase Detect AF 51 AF Points 15 Cross Type AF Sensors	Multi-CAM 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

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Viewing	D5™	D4s™	D3s™
Viewfinder Frame Coverage	Frame coverage: Approx. 100%, magnification: approx. 0.72× Improved visibility during high-speed continuous shooting (shortened blackout time, reduced image blur)	Frame coverage: approx. 100%, magnification: approx. 0.7×	Frame coverage: approx. 100%, magnification: approx. 0.7×
LCD Monitor	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
Touch Screen Function	Yes	No	No
Detachable Eyepiece Adapter	Yes Fluorine Coated for easier cleaning Compatible w/Nikon Rain Cover (optional)	No	No

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Speedlight Control	**D5**™	**D4s**™	**D3s**™
Auto Flash ISO Sensitivity Control	Yes	No	No
Optical Control Advanced Wireless Lighting (AWL)	Yes: Via Compatible Speedlight or Speedlight Commander SU-800 Up to 3 Groups: A/B/C Up to 4 Channels	Yes: Via Compatible Speedlight or Speedlight Commander SU-800 Up to 3 Groups: A/B/C Up to 4 Channels	Yes: Via Compatible Speedlight or Speedlight Commander SU-800 Up to 3 Groups: A/B/C Up to 4 Channels
Radio Control Advanced Wireless Lighting (AWL)	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	No	No

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

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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