



*At the heart of the image™*

# DIGITAL SLR COMPARISON GUIDE

FALL COLLECTION 2008



# Nikon DIGITAL SLR CAMERAS

THE POWER OF DIGITAL PHOTOGRAPHY DEFINED

Nikon offers a comprehensive and exciting lineup of next-generation digital SLR cameras whose exclusive technologies deliver extraordinary image quality. Our flagship D3 and the new, agile D700, both feature the FX-format imaging sensor and other innovations, redefining the power of digital photography for uncompromising professionals and enthusiasts. The compactness and versatility of the Nikon selection of DX-format D-SLRs is lead by the award-winning D300.







© Rod Planck



© Mike Corrado



© Anumpam Pal



© Charles Orrico



© Michael Clark

The D300, our most advanced DX-format digital SLR inspires professionals and committed amateurs alike with its agility, speed, and spectacular imaging performance, and the D200 offers demanding photographers the quality and performance they expect. The D90 distills the passion and power of the D300 while introducing the creative capacity of cinematic quality D-movie clips. The innovative D60 captures great pictures and the fun of photography for everyone, and the D40 enables anyone to catch incredible moments.

Every model offers the distinct advantage of compatibility with legendary NIKKOR lenses. And today's Nikon digital SLRs allow you to take advantage of Nikon's newest cutting edge Speedlight, the SB-900, as well as the formidable SB-800, SB-600 and SB-400 — all with i-TTL flash-control technology. In addition, all are fully compatible with Nikon's amazing Wireless Close-Up Speedlight System.

Whatever Nikon digital SLR you choose, you will possess the power and performance you need to create outstanding images that reflect your unique vision.



# DIGITAL SLR CAMERAS

## THE POWER OF DIGITAL PHOTOGRAPHY DEFINED



© Lucas Gilman



Top: © Chris Alvanas, Bottom: © Maynard Switzer



### D3

#### EXTRAORDINARY SPEED... UNCOMPROMISED VERSATILITY

Redefining professional digital photography, the groundbreaking Nikon D3 digital SLR delivers both extraordinary speed and ultra-high resolution — at up to 9 fps, with exceptional low-noise performance at up to 6400 ISO. The Nikon original 12.1-megapixel FX-format (23.9 x 36mm) CMOS sensor, teamed with exclusive Nikon **EXPEED** digital image processing concept, faithfully captures incredible edge-to-edge sharpness, rich color depth, and broad tonal range for astonishing images and unparalleled professional versatility.



### D700

#### POWER THAT EMPOWERS... AGILITY MEETS FXABILITY

Nikon's latest FX-format D-SLR, the D700 can achieve many of the same groundbreaking imaging feats as the legendary D3, whose 12.1-megapixel imaging sensor it shares — but in a more compact and lightweight body. Nimble, fast, and capable of astonishing nuance, the D700 captures seductively smooth tones and renders every detail with unsurpassed clarity, producing virtually noise-free images at up to ISO 6400.



### D300

#### EXCEPTIONAL AGILITY... INSPIRED PERFORMANCE

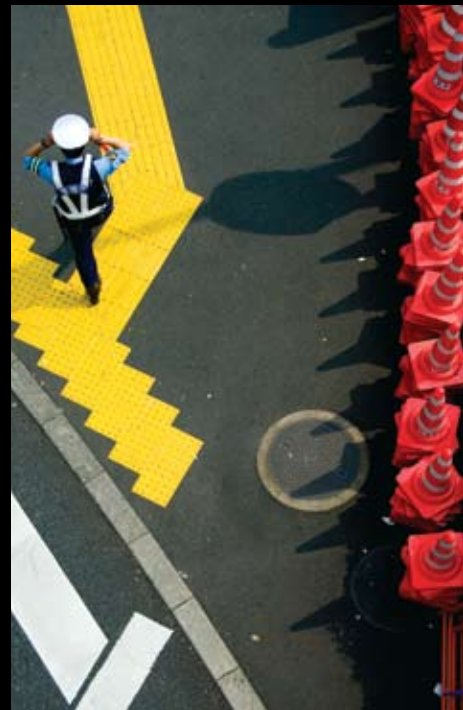
Agility, speed, and spectacular imaging performance converge in the Nikon D300 to create an amazingly versatile digital SLR that is ready to capture your vision — at up to 6 fps (8 fps with the optional MB-D10 Multi-power Battery Pack). With a high-resolution, 12.3-megapixel DX-format CMOS image sensor and many advanced features inherited from the flagship D3 D-SLR, including the **EXPEED** digital image processing concept, the D300 takes the DX-format to a new level.



### D200

#### FASTER. SMARTER. STRONGER.

Faster when it counts, more rugged where it matters, and more intelligent where it's essential, the Nikon D200 digital SLR assures breathtaking performance and image quality that will gratify demanding photographers. Featuring a 10.2-megapixel DX-format CCD image sensor and 11-area AF system, the D200 performs to an exclusive standard achievable only with Nikon.



Top: © Sean Arbabi, Bottom: © David Mendelsohn

Top: © Mirjam Evers, Bottom: © Tony Arruzza

© Arthur Meyerson



## D90

### ENGINEERED FOR ARTISTRY... UNLEASH YOUR POTENTIAL

Taking its image performance cues from the groundbreaking D300, the 12.3-megapixel DX-format D90 offers enthusiasts the power and performance to match their passion and extend their expressive range at up to 4.5 frames-per-second. With the Scene Recognition System, Picture Control, Active D-Lighting, and one-button Live View, the D90 makes beautiful images come to life. In addition, the D90 introduces the new D-Movie mode, an innovative, 720p HD movie clip function that extends creative capacity with its amazing video capture capability.



## D80

### EXPERT DESIGN... USE WITH PASSION

The versatile Nikon D80 digital SLR expands the capabilities of aspiring photographers with its 10.2-megapixel DX-format CCD image sensor and high-resolution image-processing engine, which features technology developed for our professional cameras. The improved 11-area AF system, 2.5-inch wide-angle LCD monitor, In-Camera Editing, and other advanced features deliver exciting, responsive performance and a powerful way to create exceptional images.



## D60

### INCREDIBLE PICTURES... INCREDIBLE POSSIBILITIES... INCREDIBLY EASY!

The D60 digital SLR delivers all the power and versatility of the DX-format, with a 10.2-megapixel CCD image sensor, Nikon's original **EXPEED** image processing concept, an innovative dust reduction system, and much more. Just as impressive, though, is all the fun it delivers, with In-Camera Editing, on-board help, a compact body, and when you need it, fully automatic operation, for stunning pictures without complications. With the D60, you get both great pictures and loads of picture-taking fun.



## D40

### INCREDIBLE PICTURES... EVEN EASIER

The D40 packs high-performance, advanced features and an exceptional ease-of-use in a compact, beautifully styled body, ready to go everywhere. With a 6-megapixel CCD imaging sensor, advanced 3D Color Matrix Metering II, quick startup and fast shutter response, you're sure to capture more of the pictures you really want.



# NIKKOR LENSES

## A DEFINING STRENGTH OF THE Nikon SYSTEM

Among the many good reasons for purchasing a Nikon digital SLR camera, the best, for most photographers, is the exceptional image quality made possible by NIKKOR lenses. With our passionate commitment to lens manufacturing, from the design through to production of our own glass, NIKKOR lenses continue to deliver innovative optical technology, superior mechanical operation and unsurpassed imaging performance.

## NIKON OFFERS AN EXTENSIVE SELECTION OF NIKKOR

**LENSES**, featuring 58 precision-engineered interchangeable lenses, 47 of which deliver Nikon's fast and accurate autofocus capability, enabling photographers to meet virtually any photographic challenge. For more information on the complete assortment of NIKKOR lenses, visit [www.NikonUSA.com](http://www.NikonUSA.com)



### AF-S NIKKOR 14-24MM f/2.8G ED

- Fast, ultra wide-angle AF-S zoom
- 2 ED-(Extra-low Dispersion) Glass Elements
- Exclusive Nano Crystal Coat



### AF-S DX NIKKOR 16-85MM f/3.5-5.6G ED VR

- Compact 5.3x Zoom
- 2 ED-(Extra-low Dispersion) Glass Elements
- VR II (Vibration Reduction)



### AF-S DX ZOOM-NIKKOR 17-55MM f/2.8G IF-ED

- Fast 3.2x wide-angle zoom
- ED-(Extra-low Dispersion) Glass
- AF-S Silent Wave Motor



### AF-S DX ZOOM-NIKKOR 18-105MM f/3.5-5.6G ED VR

- Versatile, 5.8x Zoom
- ED-(Extra-low Dispersion) Glass
- VR (Vibration Reduction)



### AF-S DX VR ZOOM-NIKKOR 18-200MM f/3.5-5.6G IF-ED

- High performance 11x Zoom
- ED-(Extra-low Dispersion) Glass
- VR II (Vibration Reduction)



18mm



24mm



35mm



55mm



85mm

# Nikon SPEEDLIGHTS

## WHERE INNOVATION SPARKS IMAGINATION

The Nikon Creative Lighting System offers a comprehensive selection of revolutionary portable lighting tools to match virtually any need. Featuring the world's most intelligent and versatile flash technology, the system offers unprecedented levels of accuracy, automation, integration and control.

## THE Nikon WIRELESS CLOSE-UP SPEEDLIGHT SYSTEM

is offered in two configurations, R1 and R1C1, to match your specific needs. Complete and ready to go right out of the box, both configurations feature two SB-R200 Wireless Remote Speedlights, as well as a completely integrated array of system accessories, including the SX-1 Attachment Ring (for mounting SB-R200s on the lens), color filter sets, freestanding light stands, and more.



### SB-900 SPEEDLIGHT

Nikon's next-generation flagship Speedlight, the SB-900 automatically delivers optimal performance for both FX- and DX-format D-SLRs. Offering auto format recognition, a choice of light distribution patterns, and Nikon's first user-controlled Speedlight firmware updates\*, the powerful SB-900 operates as a stand-alone and as a remote or master unit to command other wireless remote Speedlights.

\*with D3 and D700 cameras



### SB-800 SPEEDLIGHT

Full featured for Nikon high-performance digital SLRs, this powerful Speedlight offers exceptional versatility for anyone looking to build a portable lighting system. It works as a powerful stand-alone Speedlight and as a remote or master unit to command other wireless remote Speedlights.



### SB-600 SPEEDLIGHT

Offering add-on power and coverage, the SB-600 is an ideal blend of performance, versatility and value. It also serves as an additional wireless Speedlight for multiple flash setups.



### SB-400 SPEEDLIGHT

Compact, lightweight, and economical, the SB-400 Speedlight combines Nikon's i-TTL intelligent flash capabilities with the utmost in simplicity. When added flash range and bounce versatility are all that's needed, the SB-400 is the perfect solution.



**AF-S NIKKOR 24-70MM  
f/2.8G ED**

- Fast 2.9x AF-S wide to Tele Zoom
- 2-ED (Extra-low Dispersion) Glass Elements
- Exclusive Nano Crystal Coat



**AF-S DX VR ZOOM-NIKKOR  
55-200MM f/4-5.6G IF-ED**

- Ultra-compact 3.6x Zoom
- VR (Vibration Reduction)
- AF-S Silent Wave Motor



**AF-S VR ZOOM-NIKKOR  
70-200MM f/2.8G IF-ED**

- Fast 2.8x Tele Zoom
- AF-S Silent Wave Motor
- VR (Vibration Reduction)



**AF-S VR ZOOM-NIKKOR  
70-300MM f/4.5-5.6G IF-ED**

- 4.3x Tele Zoom
- ED-(Extra-low Dispersion) Glass
- VR II (Vibration Reduction)



**AF-S MICRO NIKKOR  
60MM f/2.8G IF-ED**

- AF-S Macro Lens with Silent Wave Motor
- ED-(Extra-low Dispersion) Glass
- Exclusive Nano Crystal Coat



**105mm**



**135mm**



**200mm**



**300mm**

© Dave Black



**R1 OUTFIT  
(D700, D300, D200 and D80)**



**SB-R200 SPEEDLIGHT**

The heart of Nikon's Wireless Close-Up Speedlight System, this unit is also perfect as an additional wireless Speedlight.











**R1C1 OUTFIT  
(D3, D60 and D40)**

# DIGITAL SLR COMPARISON CHART

[illegible]



									
Compatible Lenses (Continued)	Compatible Lenses	All functions possible with all AF NIKKOR lenses (including; AF-I, AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF NIKKOR lenses (including; AF-I, AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF NIKKOR lenses (including; AF-I, AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF NIKKOR lenses (including; AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. IX NIKKOR lenses cannot be used. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF NIKKOR lenses (including; AF-I, AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF NIKKOR lenses (including; AF-S, DX, VR and D-/G-type). Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. IX NIKKOR lenses cannot be used. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF-S and AF-I NIKKOR lenses. All functions except AF with all other G or D type AF-NIKKOR lenses. Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. IX NIKKOR lenses cannot be used. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.	All functions possible with all AF-S and AF-I NIKKOR lenses. All functions except AF with all other G or D type AF-NIKKOR lenses. Many functions possible with other NIKKOR lenses. Refer to individual product brochure and/or product instruction manual for complete details. IX NIKKOR lenses cannot be used. Non-AI lenses, IX NIKKOR lenses and AF NIKKOR lenses for F3AF cannot be used.
	Viewfinder	Viewfinder Type SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-2--+1 m <sup>-1</sup> ), Eyepiece shutter provided  Viewfinder Frame Coverage and Magnification Approx. 100% Approx. 0.74x with 50mm lens set to infinity; -1.0m <sup>-1</sup>  Viewfinder Accessories (optional) 1) DG-2 Eyepiece Magnifier 2) DK-17A Anti-Fog Eyepiece 3) DK-19 Rubber Eye Cup 4) DK-17M Magnifying Eyepiece 5) DR-5 Right Angle Viewing Attachment 6) DK-18 Eyepiece Adapter 7) DK-17C Correction Eyepieces	Viewfinder Type SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-2--+1 m <sup>-1</sup> ), Eyepiece shutter provided  Viewfinder Frame Coverage and Magnification Approx. 95% Approx. 0.72x with 50mm lens set to infinity; -1.0m <sup>-1</sup>  Viewfinder Accessories (optional) 1) DG-2 Eyepiece Magnifier 2) DK-17A Anti-Fog Eyepiece 3) DK-19 Rubber Eye Cup 4) DK-17M Magnifying Eyepiece 5) DR-5 Right Angle Viewing Attachment 6) DK-18 Eyepiece Adapter 7) DK-17C Correction Eyepieces	Viewfinder Type SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-2.0 to 1.0m <sup>-1</sup> )  Viewfinder Frame Coverage and Magnification Approx. 100% Approx. 0.94x with 50mm lens set to infinity; -1.0m <sup>-1</sup>  Viewfinder Accessories (optional) 1) DR-6 Angle Finder 2) DK-20C Correction Eyepieces (-5 to +3m <sup>-1</sup> ) 3) DK-21M Eyepiece Magnifier	Viewfinder Type SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-2.0 to 1.0m <sup>-1</sup> )  Viewfinder Frame Coverage and Magnification Approx. 95% Approx. 0.94x with 50mm lens set to infinity; -1.0m <sup>-1</sup>  Viewfinder Accessories (optional) 1) DR-6 Angle Finder 2) DK-20C Correction Eyepieces (-5 to +3m <sup>-1</sup> ) 3) DK-21M Eyepiece Magnifier	Viewfinder Type SLR optical-type fixed eye-level pentaprism; built-in diopter adjustment (-2.0 to 1.0m <sup>-1</sup> )  Viewfinder Frame Coverage and Magnification Approx. 96% Approx. 0.94x with 50mm lens set to infinity; -1.0m <sup>-1</sup>  Viewfinder Accessories (optional) 1) DR-6 Angle Finder 2) DK-20C Correction Eyepieces (-5 to +3m <sup>-1</sup> ) 3) DK-21M Eyepiece Magnifier	Viewfinder Type Optical-type fixed eye-level pentaprism; built-in diopter adjustment (-2.0 to 1.0m <sup>-1</sup> )  Viewfinder Frame Coverage and Magnification Approx. 95% Approx. 0.94x with 50mm lens set to infinity; -1.0m <sup>-1</sup>  Viewfinder Accessories (optional) 1) DR-6 Angle Finder 2) DK-20C Correction Eyepieces (-5 to +3m <sup>-1</sup> ) 3) DK-21M Eyepiece Magnifier	Viewfinder Type Fixed eye-level penta-Dach-mirror type; built-in diopter adjustment (-1.7 to 0.5m <sup>-1</sup> )  Viewfinder Frame Coverage and Magnification Approx. 95% Approx. 0.80x with 50mm lens set to infinity; -1.0m <sup>-1</sup>  Viewfinder Accessories (optional) 1) DR-6 Angle Finder 2) DK-20C Correction Eyepieces (-5 to +3m <sup>-1</sup> ) 3) DG-2 Eyepiece Magnifier	Viewfinder Type Fixed eye-level penta-Dach-mirror type; built-in diopter adjustment (-1.7 to 0.5m <sup>-1</sup> )  Viewfinder Frame Coverage and Magnification Approx. 95% Approx. 0.80x with 50mm lens set to infinity; -1.0m <sup>-1</sup>  Viewfinder Accessories (optional) 1) DR-6 Angle Finder 2) DK-20C Correction Eyepieces (-5 to +3m <sup>-1</sup> ) 3) DG-2 Eyepiece Magnifier
Focus	Autofocus System	TTL phase detection, Nikon Multi-CAM 3500FX autofocus module	TTL phase detection, Nikon Multi-CAM 3500FX autofocus module	TTL phase detection, Nikon Multi-CAM 3500DX autofocus module	TTL phase detection by Nikon Multi-CAM 1000 autofocus module with AF-assist illuminator	TTL phase detection by Nikon Multi-CAM 1000 autofocus module with AF-assist illuminator	TTL phase detection by Nikon Multi-CAM 1000 autofocus module with AF-assist illuminator	TTL phase detection by Nikon Multi-CAM 530 autofocus module with AF-assist illuminator	TTL phase detection by Nikon Multi-CAM 530 autofocus module with AF-assist illuminator
	AF Lens Servo	1) Single servo AF [S], 2) Continuous servo AF [C] 3) Manual focus [M] 4) Focus Tracking automatically activated by subject's status in [S] or [C] AF using Scene Recognition System	1) Single servo AF [S], 2) Continuous servo AF [C] 3) Manual focus [M] 4) Focus Tracking automatically activated by subject's status in [S] or [C] AF using Scene Recognition System	1) Single servo AF [S], 2) Continuous servo AF [C] 3) Manual focus [M] 4) Focus Tracking automatically activated by subject's status in [S] or [C] AF using Scene Recognition System	1) Single Servo AF [S] 2) Continuous servo AF [C] 3) Manual [M] 4) Focus Tracking automatically activated by subject's status in [S] or [C] AF	1) Single servo AF [S], 2) Continuous servo AF [C] 3) Manual focus [M] 4) Focus Tracking automatically activated by subject's status in [S] or [C] AF using Scene Recognition System	1) Single Servo AF [S] 2) Continuous servo AF [C] 3) AF-A : auto AF-S/ AF-C selection 4) Manual [M] 5) Predictive focus tracking automatically activated according to subject's status	1) Single Servo AF [S] 2) Continuous servo AF [C] 3) AF-A: auto AF-S/ AF-C selection 4) Manual [M]	1) Single Servo AF [S] 2) Continuous servo AF [C] 3) AF-A: auto AF-S/ AF-C selection 4) Manual [M]
	Focus Area/ Sensors	51 area or 11 areas; any single area can be selected	51 area or 11 areas; any single area can be selected	51 area or 11 areas; any single area can be selected	11 focus areas or 7 Area Wide-AF mode; any single area can be selected in either mode	11 areas; any single area can be selected	11 focus areas; any single area can be selected; center focus area can be switched from normal to wide-frame operation	3 focus areas; any single area can be selected	3 focus areas; any single area can be selected
	AF Area Mode	1) Single Area AF 2) 9 Group Dynamic AF 3) 21 Group Dynamic AF 4) 51 Group Dynamic 5) 51 Group Dynamic with 3D Focus Tracking 6) Auto Area using 51 points	1) Single Area AF 2) 9 Group Dynamic AF 3) 21 Group Dynamic AF 4) 51 Group Dynamic 5) 51 Group Dynamic with 3D Focus Tracking 6) Auto Area using 51 points	1) Single Area AF 2) 9 Group Dynamic AF 3) 21 Group Dynamic AF 4) 51 Group Dynamic 5) 51 Group Dynamic with 3D Focus Tracking 6) Auto Area using 51 points	1) Single Area AF 2) Dynamic-area AF 3) Dynamic-area AF with closest subject priority	1) Single-servo AF 2) Continuous servo AF 3) 3D tracking AF (11 points) 4) Auto Area AF using 11 points 5) Manual (M)	1) Single Area AF 2) Dynamic Area AF 3) Auto-area AF	1) Single Area AF, 2) Dynamic Area AF 3) Dynamic-area AF with closest subject priority	1) Single Area AF, 2) Dynamic Area AF 3) Dynamic-area AF with closest subject priority
	Focusing Screen	Type-B BriteView Clear Matte Screen VI	Type-B BriteView Clear Matte Screen Mark III with Superimposed focus brackets and On-Demand grid lines	Type-B BriteView Clear Matte Screen Mark II with Superimposed focus brackets and On-Demand grid lines	Type-B BriteView Clear Matte Screen Mark II with Superimposed focus brackets and On-Demand grid lines	Type-B BriteView Clear Matte Screen Mark II with Superimposed focus brackets and On-Demand grid lines	Type-B BriteView Clear Matte Screen Mark II with Superimposed focus brackets and On-Demand grid lines	Type-B BriteView Clear Matte Screen Mark II with Superimposed focus brackets	Type-B BriteView Clear Matte Screen Mark II with Superimposed focus brackets
	Optional Focusing Screens	Type-E with grid	No	No	No	No	No	No	No
White Balance	Depth of Field Preview	Functional with CPU-equipped NIKKOR lenses in P, S, A and M mode	Functional with CPU-equipped NIKKOR lenses in P, S, A and M mode	Functional with CPU-equipped NIKKOR lenses in P, S, A and M mode	Functional with CPU-equipped NIKKOR lenses in P, S, A and M modes	Functional with CPU-equipped NIKKOR lenses in P, S, A and M mode	Functional with CPU-equipped NIKKOR lenses in P, S, A and M modes	No	No
	White Balance	1) Auto (hybrid with 1,005-pixel RGB Sensor, CMOS image sensor and Scene Recognition System) 2) Six (6) manual modes with fine tuning 3) 5 user defined presets with fine tuning 4) Color temperature setting (Kelvin) 5) 2-9 exposure white balance bracketing	1) Auto (hybrid with 1,005-pixel RGB Sensor, CMOS image sensor and Scene Recognition System) 2) Six (6) manual modes with fine tuning 3) 5 user defined presets with fine tuning 4) Color temperature setting (Kelvin) 5) 2-9 exposure white balance bracketing	1) Auto (hybrid with 1,005-pixel RGB Sensor, CMOS image sensor and Scene Recognition System) 2) Six (6) manual modes with fine tuning 3) 5 user defined presets with fine tuning 4) Color temperature setting (Kelvin) 5) 2-9 exposure white balance bracketing	1) Auto (TTL white balance with 1005-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning, color temperature setting (Kelvin) 3) Preset white balance 4) White balance bracketing	1) Auto (TTL white balance with 420-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning, color temperature setting (Kelvin) 3) Preset white balance 4) Preset white balance 5) 2 or 3 exposure white balance bracketing	1) Auto (TTL white balance with 420-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning, color temperature setting (Kelvin) 3) Preset white balance 4) White balance bracketing	1) Auto (TTL white balance with 420-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning, color temperature setting (Kelvin) 3) Preset white balance 4) White balance bracketing	1) Auto (TTL white balance with 420-pixel RGB sensor) 2) Six (6) manual modes with fine-tuning, color temperature setting (Kelvin) 3) Preset white balance

# DIGITAL SLR COMPARISON CHART



Exposure (Continued)	ISO Sensitivity Range	200 to 6400 (ISO equivalent) in steps of 1/3 EV, LO-0.3, LO-0.7 LO-1.0, HI-0.3, HI-0.7, HI-1 and HI-2	200 to 6400 (ISO equivalent) in steps of 1/3 EV, LO-0.3, LO-0.7 LO-1.0, HI-0.3, HI-0.7, HI-1 and HI-2	200 to 3200 (ISO equivalent) in steps of 1/3 EV, LO-0.3, LO-0.7 LO-1.0, HI-0.3, HI-0.7, HI-1	100 to 1600 (ISO equivalent) in steps of 1/3 EV, plus HI-0.3 HI-0.7 and HI-1	200 to 3200 (ISO equivalent) in steps of 1/3 EV, LO-0.3, LO-0.7 LO-1.0, HI-0.3, HI-0.7, HI-1	100 to 1600 (ISO equivalent) in steps of 1/3 EV, plus HI-0.3, HI-0.7 and HI-1	100 to 1600 (ISO equivalent) in steps of 1 EV, plus HI-1 setting (3200 equivalent)	200 to 1600 (ISO equivalent) in steps of 1 EV, plus HI-1 setting (3200 equivalent)
	Exposure Metering Range	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)	1) EV 0 to 20 (3D Color Matrix or Center-weighted metering) 2) EV 2 to 20 (spot metering)
	Exposure Modes	1) Programmed Auto with flexible program 2) Shutter-Priority Auto 3) Aperture-Priority Auto 4) Manual	1) Programmed Auto with flexible program 2) Shutter-Priority Auto 3) Aperture-Priority Auto 4) Manual	1) Programmed Auto with flexible program 2) Shutter-Priority Auto 3) Aperture-Priority Auto 4) Manual	1) Programmed Auto with flexible program 2) Shutter-Priority Auto 3) Aperture-Priority Auto 4) Manual	1) Programmed Auto with flexible program 2) Shutter-Priority Auto 3) Aperture-Priority Auto 4) Manual	1) 5 Advanced Scene Modes 2) Auto 3) Auto-Flash Off 4) Programmed Auto with flexible program 5) Shutter-Priority Auto 6) Aperture Priority Auto 7) Manual	1) 7 Digital Vari-Programs 2) Programmed Auto with flexible program 3) Shutter-Priority Auto 4) Aperture-Priority Auto 5) Manual	1) 7 Digital Vari-Programs 2) Programmed Auto with flexible program 3) Shutter-Priority Auto 4) Aperture-Priority Auto 5) Manual
	Exposure Compensation	±5 in EV increments of 1/3, 1/2 or 1 EV	±5 EV in increments of 1/3, 1/2 or 1 EV	±5 EV in increments of 1/3, 1/2 or 1 EV	±5 EV in increments of 1/3 or 1/2 EV	±5 EV in increments of 1/3 or 1/2 EV	±5 EV in increments of 1/3 or 1/2 EV	±5 EV in increments of 1/3 EV	±5 EV in increments of 1/3 EV
	Auto Exposure Lock	Detected exposure value locked by pressing AE-/AF-L button	Detected exposure value locked by pressing AE-/AF-L button	Detected exposure value locked by pressing AE-/AF-L button	Detected exposure value locked by pressing AE-/AF-L button	Detected exposure value locked by pressing AE-/AF-L button	Detected exposure value locked by pressing AE-/AF-L button	Detected exposure value locked by pressing AE-/AF-L button	Detected exposure value locked by pressing AE-/AF-L button
	Auto Exposure Bracketing	2 to 9 exposures in increments of 1/3, 1/2, 2/3, or 1 EV steps	2 to 9 exposures in increments of 1/3, 1/2, 2/3, or 1 EV steps	2 to 9 exposures in increments of 1/3, 1/2, 2/3, or 1 EV steps	2 to 9 exposures in increments between 1/3 to 2.0 EV (±2 EV)	2 to 9 exposures in increments between 1/3 to 2.0 EV (±2 EV) And 2 exposure D-lighting bracketing	2 to 3 exposures in increments between 1/3 to 1.0 EV (±1 EV) And 2 exposure D-lighting bracketing	No	No
	Active D-Lighting	3 levels	3 levels and Auto	3 levels	No	No	4 levels and Auto	No	No
Custom Settings	Total custom Settings	44	50	48	44	41	32	11	17
	My Menu	Yes: with customization	Yes: with customization	Yes: with customization	No	Yes: with customization	Yes	Yes	Yes
	Recent Settings	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Shutter Release	Top Framing Rate	1) Up to 9 frames-per-second 2) Up to 11 frames-per-second DX Crop - with some limitations	1) Up to 5 frames-per-second 2) Up to 8 frames-per-second with optional MB-D10 Multi-Power Battery Pack	1) Up to 6 frames-per-second 2) Up to 8 frames-per-second with optional MB-D10 Multi-Power Battery Pack	Up to 5 frames-per-second	Up to 4.5 frames-per-second	Up to 3 frames-per-second	Up to 3 frames-per-second	Up to 2.5 frames-per-second
	Shutter Speed Range	30 to 1/8,000th sec. in steps of 1/3, 1/2 or 1 EV, bulb	30 to 1/8,000th sec. in steps of 1/3, 1/2 or 1 EV, bulb	30 to 1/8,000th sec. in steps of 1/3, 1/2 or 1 EV, bulb	30 to 1/8,000th sec. in steps of 1/3, 1/2 or 1 EV, bulb	30 to 1/4,000th sec. in steps of 1/3 or 1/2 EV, bulb	30 to 1/4,000th sec. in steps of 1/3 or 1/2 EV, bulb	30 to 1/4,000th sec. in steps of 1/3 EV	30 to 1/4,000th sec. in steps of 1/3 EV
	Shutter type	Nikon self diagnostic electronically-controlled vertical-travel focal plane shutter	Nikon self diagnostic electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter	Electronically-controlled vertical-travel focal plane shutter	Combined mechanical and CCD electronic shutter
	Self-Timer	2.5,10 or 20 seconds	2.5,10 or 20 seconds	2.5,10 or 20 seconds	2.5,10 or 20 seconds	2.5,10 or 20 seconds	2.5,10 or 20 seconds	2.5,10 or 20 seconds	2.5,10 or 20 seconds
	Remote Control	Via 10-pin remote terminal	Via 10-pin remote terminal	Via 10-pin remote terminal	Via 10-pin remote terminal	Via ML-L3 Wireless Remote Controller (optional) or Via MC-DC2 wired remote controller (optional)	Via ML-L3 Wireless Remote Controller (optional) or Via MC-DC1 wired remote controller (optional)	Via ML-L3 Wireless Remote Controller (optional)	Via ML-L3 Wireless Remote Controller (optional)
Flash	Built-in Flash	No	Manual pop-up with button release	Manual pop-up with button release	Manual pop-up with button release	1) Auto flash with auto pop-up 2) Manual pop-up with button release	1) Auto flash with auto pop-up 2) Manual pop-up with button release	1) Auto flash with auto pop-up 2) Manual pop-up with button release (P, S, A, and M)	1) Auto flash with auto pop-up 2) Manual pop-up with button release (P, S, A, and M)
	Built-in Flash Guide Number	Not applicable	Approx. 56 ft rated at 200 ISO value	Approx. 55 ft rated at 200 ISO value	Approx. 55 ft rated at 200 ISO value	Approx. 42 ft rated at 200 ISO value	Approx. 59 ft rated at 200 ISO value	Approx. 55 ft rated at 200 ISO value	Approx. 55 ft rated at 200 ISO value
	Flash Modes With Compatible Nikon Speedlights *For more information on Speedlight feature compatibility, please refer to the camera's brochure	1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash with Scene Recognition System 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash 2) Auto Aperture 3) Non-TTL Auto 4) Range Priority	1) i-TTL Balanced Fill-Flash 2) Auto Aperture 3) Non-TTL Auto	1) i-TTL Balanced Fill-Flash 2) Auto Aperture 3) Non-TTL Auto
	Flash Sync Modes	1) Front Curtain Sync (normal) 2) Slow Sync 3) Rear-curtain Sync 4) Red-eye Reduction with Slow Sync	1) Front Curtain sync (normal) 2) Slow Sync 3) Rear-curtain Sync 4) Red-eye Reduction with Slow Sync	1) Front Curtain Sync (normal) 2) Slow sync 3) Rear-curtain Sync 4) Red-eye Reduction with Slow Sync	1) Auto 2) Fill-in Flash 3) Red-eye Reduction 4) Red-eye Reduction with Slow Sync 5) Slow Sync 6) Rear-curtain Sync 7) Off	1) Auto 2) Fill-in Flash 3) Red-eye Reduction 4) Red-eye Reduction with Slow Sync 5) Slow Sync 6) Rear-curtain Sync 7) Off	1) Auto 2) Fill-in Flash 3) Red-eye Reduction 4) Red-eye Reduction with Slow Sync 5) Slow Sync 6) Rear-curtain Sync 7) Off	1) Auto 2) Fill-in Flash 3) Red-eye Reduction 4) Red-eye Reduction with Slow Sync 5) Slow Sync 6) Rear-curtain Sync 7) Off	1) Auto 2) Fill-in Flash 3) Red-eye Reduction 4) Red-eye Reduction with Slow Sync 5) Slow Sync 6) Rear-curtain Sync 7) Off
	Top Flash Sync TTL	1/250th sec.	1/250th sec. or 1/320th sec.	1/250th sec. or 1/320th sec.	1/250th sec.	1/250th sec.	1/200th sec.	1/200th sec.	1/500th sec.
	Auto FP High-Speed Flash Sync	1/8,000th sec.	1/8,000th sec.	1/8,000th sec.	1/8,000th sec.	1/4,000th sec.	1/4000th sec.	No	No
	Flash Compensation	Not Applicable	-3 to +1 EV in increments of 1/3 or 1/2 EV	-3 to +1 EV in increments of 1/3 or 1/2 EV	-3 to +1 EV in increments of 1/3 or 1/2 EV	-3 to +1 EV in increments of 1/3 or 1/2 EV	-3 to +1 EV in increments of 1/3 or 1/2 EV	-3 to +1 EV in increments of 1/3 EV	-3 to +1 EV in increments of 1/3 or 1/2 EV
	Flash Bracketing	2 to 9 exposures in increments of 1/3, 1/2, 2/3, or 1 EV steps	2 to 9 exposures in increments of 1/3, 1/2, 2/3, or 1 EV steps	2 to 9 exposures in increments of 1/3, 1/2, 2/3, or 1 EV steps	Up to 9 exposures in increments between 1/3 to 2.0 EV	2 to 3 exposures in increments between 1/3 to 2.0 EV	2 to 3 exposures in increments between 1/3 to 2.0 EV	No	No
	Built-in Flash/ Commander Mode	No Commander Option	Two-Group Wireless Commander with SB-900, SB-800, SB-600 and SB-R200 Speedlights	Two-Group Wireless Commander with SB-900, SB-800, SB-600 and SB-R200 Speedlights	Two-Group Wireless Commander with SB-900, SB-800, SB-600 and SB-R200 Speedlights	Two-Group Wireless Commander with SB-900, SB-800, SB-600 and SB-R200 Speedlights	Two-Group Wireless Commander with SB-900, SB-800, SB-600 and SB-R200 Speedlights	No Commander Option	No Commander Option





In-Camera Editing	Retouch Menu	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay 8) Side by side comparison	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay 8) Side by side comparison	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay	No	1) D-lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6)Color balance 7) Small Picture 8) Image Overlay 9) NEF(RAW) processing 10)Quick retouch 11)Straighten 12)Distortion control 13) Fisheye	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay	1) D-Lighting 2) Red-eye Correction 3) Image Trimming 4) Monochrome 5) Filter Effects 6) Small Picture 7) Image Overlay	
	High ISO Noise Reduction	1) Low 2) Normal 3) High 4) Off	1) Low 2) Normal 3) High 4) Off	1) Low 2) Normal 3) High 4) Off	1) Low 2) Normal 3) High 4) Off	1) Low 2) Normal 3) High 4) Off	Yes	Yes	Yes	
	Long Exposure Noise Reduction	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power	Power Source (included)	One EN-EL4a Rechargeable Li-ion Battery	One EN-EL3e Rechargeable Li-ion Battery	One EN-EL3e Rechargeable Li-ion Battery	One EN-EL3e Rechargeable Li-ion Battery	One EN-EL3e Rechargeable Li-ion Battery	One EN-EL3e Rechargeable Li-ion Battery	One EN-EL9 Rechargeable Li-ion Battery	One EN-EL9 Rechargeable Li-ion Battery	
	Images per Battery Charge	Up to 4,700 (Nikon Measurement Standard)	Up to 1,000 (CIPA Measurement Standard)	Up to 1,000 (CIPA Measurement Standard)	Up to 1,800 (Nikon Measurement Standard)	Up to 850 (CIPA Measurement Standard)	Up to 2,700 (Nikon Measurement Standard)	Up to 500 (CIPA Measurement Standard)	Up to 470 (CIPA Measurement Standard)	
	Optional AC Power Supply	EH-5a AC Adapter	EH-5a AC Adapter	EH-6 AC Adapter	EH-5a AC Adapter	EH-5a AC Adapter	EH-5a AC Adapter	EH-5a AC Adapter requires EP-5 Adapter	EH-5a AC Adapter requires EP-5 Adapter	
Accessory	Supplied Accessories	EN-EL4a Rechargeable Li-ion Battery, MH-22 Quick Charger, UC-E4 USB Cable, EG-D2 Audio Video Cable, AN-D3 Camera Strap, BF-1A Body Cap, BS-2 Accessory Shoe Cap, BL-4 Battery Chamber Cover, USB Cable Clip, Software Suite CD-ROM.	EN-EL3e Rechargeable Li-ion Battery, MH-18a Quick Charger, UC-E4 USB Cable, EG-D100 Video Cable, AN-D700 Strap, BM-9 LCD monitor cover, BF-1A Body cap, BS-1 accessory shoe cover, Software Suite CD-ROM.	EN-EL3e Rechargeable Li-ion Battery, MH-18a Quick Charger, UC-E4 USB Cable, EG-D100 Video Cable, AN-D300 Strap, BM-8 LCD monitor cover, BF-1A Body cap, DK-5 Eyepiece Cap, Rubber Eyecup DK-23 Rubber Eyecup, Software Suite CD-ROM.	Rechargeable Li-ion Battery EN-EL3e, Quick Charger MH-18a, EG-D100 Video Cable, BS-1 Accessory Shoe Cover, USB Cable UC-E4, Strap, BF-1A Body cap, DK-5 Eyepiece Cap, Rubber Eyecup DK-21, LCD monitor cover BM-6, Software Suite CD-ROM	EN-EL3e Rechargeable Li-ion Battery, MH-18a Quick Charger, Eyepiece cap DK-5, Rubber eyecup DK-21, USB Cable UC-E4, Audio Video Cable EG-D2, Camera Strap AN-DC1, LCD Monitor Cover BM-10, Body cap, BS-1 Accessory Shoe Cover, Software Suite CD-ROM	EN-EL3e Rechargeable Li-ion Battery, MH-18a Quick Charger, EG-100 Audio Video Cable, UC-E4 USB Cable, AN-DC1 Strap, BF-A Body cap, DK-5 Eyepiece Cap, DK-21 Rubber Eyecup, BM-7 LCD monitor cover, BS-1 Accessory shoe cover, Software Suite CD-ROM.	EN-EL9 Rechargeable Li-ion Battery, MH-23 Quick Charger, UC-E4 USB Cable, DK-20 Rubber Eyecup, AN-DC1 Camera Strap, BF-1A Body Cap, DK-5 Eyepiece Cap, BS-1 Accessory Shoe Cover, Software Suite CD-ROM.	EN-EL9 Rechargeable Li-ion Battery, MH-23 Quick Charger, UC-E4 USB Cable, Software Suite CD-ROM, DK-16 Rubber Eyecup, AN-DC1 Camera Strap, BF-1A Body Cap, DK-5 Eyepiece Cap, BS-1 Accessory Shoe Cap.	
	Battery Grip(s) Optional	No	MB-D10 Multi-power Battery Pack accepts one rechargeable Nikon EN-EL3e Li-ion battery Eight AA alkaline (LR6), Ni-MH (HR6), lithium (FR6) batteries, or nickel-manganese (ZR6) AA batteries, or one EN-EL4a battery with BL-3	MB-D10 Multi-power Battery Pack accepts one rechargeable Nikon EN-EL3e Li-ion battery Eight AA alkaline (LR6), Ni-MH (HR6), lithium (FR6) batteries, or nickel-manganese (ZR6) AA batteries, or one EN-EL4a battery with BL-3	MB-D200 Multi-power Battery Pack accepts one or two rechargeable Nikon EN-EL3e Li-ion batteries or Six AA alkaline (LR6), Ni-MH (HR6), lithium (FR6) batteries, or nickel-manganese (ZR6) AA batteries	MB-D80 Multi-power Battery Pack accepts one or two rechargeable Nikon EN-EL3e Li-ion batteries or Six AA alkaline (LR6), Ni-MH (HR6), lithium (FR6) batteries, or nickel-manganese (ZR6) AA batteries	MB-D80 Multi-power Battery Pack accepts one or two rechargeable Nikon EN-EL3e Li-ion batteries or Six AA alkaline (LR6), Ni-MH (HR6), lithium (FR6) batteries, or nickel-manganese (ZR6) AA batteries	No	No	
Connectivity	TV Output	NTSC, PAL, HDMI	NTSC, PAL, HDMI	NTSC, PAL, HDMI	NTSC, PAL	NTSC, PAL, HDMI	NTSC, PAL	NTSC, PAL	NTSC, PAL	
	WiFi Functionality	FTP file transfer available and PTP/IP with optional WT-4a (IEEE 802.11a/b/g)	FTP file transfer available and PTP/IP with optional WT-4a (IEEE 802.11a/b/g)	FTP file transfer available and PTP/IP with optional WT-4a (IEEE 802.11a/b/g)	FTP file transfer available and PTP/IP with optional WT-3a (IEEE 802.11b/g)	No	No	No	No	
	Interface/Connectivity	USB 2.0 (Hi-Speed) (Mini-B connector) HDMI Output: supports HDMI version 1.3a, type A connector, 2 CF card slots: supports UDMA, supports firmware updates via CF cards	USB 2.0 (Hi-Speed) (Mini-B connector) HDMI Output: supports HDMI version 1.3a, type C mini-pin connector, CF card slot: supports UDMA, supports firmware updates via CF cards	USB 2.0 (Hi-Speed) (Mini-B connector) HDMI Output: supports HDMI version 1.3a, type A connector, CF card slot: supports UDMA, supports firmware updates via CF cards	USB 2.0 (Hi-Speed) (Mini- B connector); CF card slot: supports firmware updates via CF cards	USB 2.0 (Hi-Speed) (Mini-B connector) HDMI Output: supports HDMI version 1.3a, type A connector, SD card slot: supports firmware updates via SD cards	USB 2.0 (Hi-speed) (Mini- B connector); SD card slot: supports firmware updates via SD cards	USB 2.0 (Hi-speed) (Mini- B connector); SD card slot: supports firmware updates via SD cards	USB 2.0 (Hi-speed) (Mini- B connector); SD card slot: supports firmware updates via SD cards	USB 2.0 (Hi-speed) (Mini- B connector); SD card slot: supports firmware updates via SD cards
	GPS	With optional GPS-Unit GP-1 and supplied Connecting Cord or via optional MC-35 GPS Cable (requires user's own GPS unit that conforms to NMEA0183 data protocol)	With optional GPS-Unit GP-1 and supplied Connecting Cord or via optional MC-35 GPS Cable (requires user's own GPS unit that conforms to NMEA0183 data protocol)	With optional GPS-Unit GP-1 and supplied Connecting Cord or via optional MC-35 GPS Cable (requires user's own GPS unit that conforms to NMEA0183 data protocol)	With optional GPS-Unit GP-1 and supplied Connecting Cord or via optional MC-35 GPS Cable (requires user's own GPS unit that conforms to NMEA0183 data protocol)	With optional GPS-Unit GP-1 and supplied Connecting Cord	No	No	No	No
Physical Specifications	Dimensions (W x H x D)	Approx. 6.3 x 6.2 x 3.4 in.	Approx. 5.8 x 4.8 x 3.0 in.	Approx. 5.8 x 4.5 x 2.9 in.	Approx. 5.8 x 4.4 x 2.9 in.	Approx. 5.2 x 4.1 x 3.0 in.	Approx. 5.2 x 4.1 x 3.0 in.	Approx. 5.0 x 3.7 x 2.5 in.	Approx. 5.0 x 3.7 x 2.5 in.	
	Weight	Approx. 2.lbs. 11oz. Without battery or memory card	Approx. 2lbs. 1oz. Without battery, memory card or monitor cover	Approx. 1 lbs. 13oz. Without battery, memory card or monitor cover	Approx. 1 lb. 13 oz Without battery, memory card or monitor cover	Approx. 1 lbs. 6oz. Without battery, memory card or monitor cover	Approx. 1 lb. 5 oz Without battery or memory card	Approx. 1 lb. 1 oz Without battery or memory card	Approx. 1 lb. 1 oz Without battery or memory card	



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DSLR-COMPARE-31-0808