
 Nikon D80	 Nikon D70s
Sensor	<ul style="list-style-type: none"> • 10.2 million effective pixels • 23.6 x 15.8 mm CCD (DX format) 	<ul style="list-style-type: none"> • 6.1 million effective pixel • 23.7 x 15.6 mm CCD (DX format)
Image sizes	<ul style="list-style-type: none"> • 3872 x 2592 (10.0 MP) • 2896 x 1944 • 1936 x 1296 	<ul style="list-style-type: none"> • 3008 x 2000 (6.0 MP) • 2240 x 1488 • 1504 x 1000
Autofocus	<ul style="list-style-type: none"> • 11 area TTL • Nikon Multi-CAM1000 	<ul style="list-style-type: none"> • 5 area TTL • Nikon Multi-CAM900
Lens servo	<ul style="list-style-type: none"> • Single-servo AF (AF-S) • Continuous-servo AF (AF-C) • Automatic AF-S/AF-C (AF-A) • Manual focus (M) 	<ul style="list-style-type: none"> • Single-servo AF (AF-S) • Continuous-servo AF (AF-C) • Manual focus (M)
Metering	<ul style="list-style-type: none"> • 420 pixel RGB sensor • 3D color matrix metering II 	<ul style="list-style-type: none"> • 1005 pixel RGB sensor • 3D color matrix metering
Metering range	<ul style="list-style-type: none"> • EV 0 to 20 (3D color matrix / CW) • EV 2 to 20 (Spot) 	<ul style="list-style-type: none"> • EV 0 to 20 (3D color matrix / CW) • EV 3 to 20 (Spot)
Sensitivity	ISO 100 - 1600 Up to ISO 3200 with boost	ISO 200 - 1600
Auto ISO	<ul style="list-style-type: none"> • Selectable maximum ISO • Selectable minimum shutter speed 	On/Off
Shutter	Electronically controlled vertical-travel focal plane shutter	Combined mechanical and CCD electronic shutter
Shutter speed	<ul style="list-style-type: none"> • 30 to 1/4000 sec • Bulb 	<ul style="list-style-type: none"> • 30 to 1/8000 sec • Bulb
Flash sync	1/200 sec	1/500 sec
Built-in flash	Guide number 13 (ISO 100)	Guide number 11 (ISO 100)
Wireless flash	Nikon i-TTL, can act as commander	
Continuous	<ul style="list-style-type: none"> • 3 fps • 23 / 6 frames (JPEG / RAW) 	<ul style="list-style-type: none"> • 3 fps • 12 / 4 frames (JPEG / RAW)
White balance	<ul style="list-style-type: none"> • Auto • 6 presets • Kelvin color temperature • Manual preset (immediate or from photo) 	<ul style="list-style-type: none"> • Auto • 6 presets • Manual preset (immediate)
Image presets	Normal, Softer, Vivid, More Vivid, Portrait, B&W	Normal, Vivid, Sharper, Softer, Direct Print, Portrait, Landscape
High ISO NR	<ul style="list-style-type: none"> • Normal • Low • High • Off 	Fixed
Multiple exposures	Yes	No
Exposure delay	Yes, optional, 0.4 sec (mirror lock-up)	No
Viewfinder	<ul style="list-style-type: none"> • Eyepoint: 19.5 mm (at -1.0 m⁻¹) • Frame coverage 95% (approx.) • Magnification approx. 0.94x • B-type Bright View Clear Matte II 	<ul style="list-style-type: none"> • Eyepoint: 18.0 mm (at -1.0 m⁻¹) • Frame coverage 95% (approx.) • Magnification approx. 0.75x • B-type Bright View Clear Matte II

LCD monitor	<ul style="list-style-type: none"> • 2.5" TFT LCD • 230,000 pixel TFT • 170 degree viewing angle • Removable protective cover 	<ul style="list-style-type: none"> • 2.0" TFT LCD • 130,000 pixel TFT
Histogram	Luminance & RGB histogram	Luminance histogram
USB	USB 2.0 Hi-Speed (480 Mbps max.)	USB 2.0 Full-Speed (12 Mbps max.)
Storage	SD / SD-HC card	Compact Flash Type I or II
Battery	Lithium-Ion EN-EL3e (7.4 V, 1500 mAh)	Lithium-Ion EN-EL3a (7.4 V, 1400 mAh)
Battery status	<ul style="list-style-type: none"> • Remaining charge (%) • No. of shots taken since last charge • Battery life (5 stage) 	3 level on LCD panel
Vertical grip	MB-D80 (optional)	None (third party only)
Dimensions	132 x 103 x 77 mm (5.2 x 4.1 x 3.0 in)	140 x 111 x 78 mm (5.5 x 4.4 x 3.1 in)
Weight	<ul style="list-style-type: none"> • No battery: 585 g (1.3 lb) • With battery: 668 g (1.5 lb) 	<ul style="list-style-type: none"> • No battery: 595 g (1.3 lb) • With battery: 679 g (1.5 lb)
Image processing engine	<ul style="list-style-type: none"> • New for D80 • Based on D200 / D2X • 12-bit algorithms, 2-channel 	Unknown
Programmable FUNC button	Yes	No
In-camera retouching	<ul style="list-style-type: none"> • D-Lighting • Red-eye reduction • Trimming • Overlay • Monochrome and Filter • Small picture • Image overlay 	No
Top panel controls	<ul style="list-style-type: none"> • Metering mode • Exposure compensation • Shooting mode • AF mode 	<ul style="list-style-type: none"> • Metering mode • Exposure compensation
World time	Yes	No