

Live view	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Viewfinder type	None	None	None	Optical (pentaprism)	Electronic	None	Optical (pentaprism)	Optical (pentaprism)	None	Optical (tunnel)	None	Electronic	None	Optical (tunnel)	Optical (tunnel)	Optical (tunnel)	Optical (tunnel)	Optical (tunnel)	
Viewfinder coverage				100%			100%	96%											
Viewfinder magnification				0.94x			0.95x (0.63x 35mm equiv.)	0.96x (0.64x 35mm equiv.)											
Photography features																			
Minimum shutter speed	1/5 sec	1/5 sec	1/5 sec	30 sec	1/5 sec	60 sec	30 sec	30 sec	60 sec	1 sec	60 sec	4 sec	60 sec	15 sec	30 sec	15 sec	15 sec	8 sec	
Maximum shutter speed	1/3200 sec	1/3200 sec	1/3200 sec	1/8000 sec	1/3200 sec	1/2000 sec	1/8000 sec	1/4000 sec	1/2000 sec	1/1600 sec	1/2000 sec	1/2000 sec	1/2000 sec	1/2000 sec	1/1000 sec	1/2000 sec	1/2000 sec	1/1000 sec	
Aperture priority	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	No	Yes	No	Yes	Yes	Yes	
Shutter priority	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	No	Yes	No	Yes	Yes	Yes	
Manual exposure mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	No	Yes	No	Yes	Yes	Yes	
Subject / scene modes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Exposure modes	<ul style="list-style-type: none"> Hybrid Auto Auto Program AE Shutter priority Aperture priority Manual 	<ul style="list-style-type: none"> Smart Auto Program Program AE Shutter priority AE Manual 	<ul style="list-style-type: none"> Smart Auto Hybrid Auto Program AE Shutter priority AE Aperture priority AE Manual Live View Control Sports SCN Creative Filters Discreet Movie 	<ul style="list-style-type: none"> Aperture-Priority (A) Manual (M) Programmed auto with flexible program (P) Shutter-Priority (S) 															
Scene modes	<ul style="list-style-type: none"> Sports Portrait Smile Wink Self-Timer Face Self-Timer Handheld Night Scene Low Light Fireworks 	<ul style="list-style-type: none"> Portrait, Smart Shutter, High-speed Burst HQ, Handheld Night Scene, Low Light, Snow, Fireworks 	<ul style="list-style-type: none"> Portrait, Smart Shutter, High-speed Burst HQ, Handheld Night Scene Underwater Snow Fireworks 	<ul style="list-style-type: none"> Autumn Colors Beach / Snow Blossom Candlelight Child Close-up Dusk / Dawn Flood Landscape Night Landscape Night Portrait Party / Indoor Pet Portrait Portrait Sports Sunset 															
Built-in flash	Yes	Yes	Yes	Yes (Pop-up)	Yes (Pop-up)	Yes	Yes (Pop-up)	Yes	Yes	Yes	Yes	Yes (pop-up)	Yes	Yes	Yes	Yes	Yes	Yes	
Flash range	4.00 m	3.50 m	3.50 m	12.00 m (at ISO 100)	7.00 m	5.30 m	12.00 m (at ISO 100)	5.30 m (Auto ISO)	4.20 m (Auto ISO)	Yes	Yes	4.50 m (ISO 200)	5.40 m	3.50 m	3.80 m	3.80 m	2.50 m	9.00 m (F2.6 ISO100)	
External flash	No	No	Yes (optional HF-DC2)	Yes (Hot-shoe, Wireless)	Yes (Hot-shoe)	No	Yes (Hot-shoe, Wireless)	Yes (Hot-shoe, Wireless)	No	No	No	Yes (hot-shoe)	No	No	No	No	No	Yes (Nikon Speedlight sync terminal)	
Flash modes	Auto, on, off, slow synchro	Auto, on, slow synchro, off	Auto, On, Off, Red-Eye, Slow Sync, Rear curtain	Auto, On, Off, Red-eye, Slow Sync, Rear curtain	Auto, On, Off, Red-Eye, Slow Sync, Fill-in	Auto, On, Off, Red-eye, Slow Sync	Auto, On, Off, Red-eye, Slow Sync, Rear curtain	Auto, On, Off, Front curtain, Rear curtain, Red-Eye, Slow Sync	Auto, On, Off, Red-Eye reduction, Slow Sync	Auto, On, Off, Slow Sync	Auto, On, Off, Red-Eye reduction, Slow Sync	Auto, On, Off, Red-Eye reduction, Slow Sync	Auto, Red-Eye Auto, On, Off, Slow Sync	Auto, On, Off, Manual (Red Eye, Slow Sync)	Auto, On, Off, Red-Eye reduction, Slow Sync	Auto, On, Off, Manual (Red Eye-On/Off)	Auto, On, Off, Manual (Red Eye-On/Off)	Auto, Fill-in, Red-Eye reduction, Slow, Off	
Flash X sync speed				1/250 sec															
Drive modes		<ul style="list-style-type: none"> Single Auto Drive Continuous Continuous with AF Self-timer 	<ul style="list-style-type: none"> Single Auto Drive Continuous Continuous with AF Self-Timer 	<ul style="list-style-type: none"> Single-frame [S] Continuous low-speed [CL] Continuous high-speed [CH] Quiet Shutter Release Self-timer mode Micro-up [Mup] mode 															
Continuous drive	5.9 fps	8.5 fps	3.8 fps	6.0 fps	10.3 fps	2.3 fps	6.0 fps	4.5 fps	2.3 fps	1.6 fps		1.2 fps		1.7 fps	1.6 fps	2.0 fps	2.2 fps		
Self-timer	Yes (2 or 10 secs, custom)	Yes (2 or 10 secs, custom)	Yes (2 or 10 sec, custom)	Yes (2 or 10 seconds)	Yes (2 or 10 sec, Custom)	Yes (2 or 10 sec)	Yes (2 or 10 seconds)	Yes (2, 5, 10 or 20 sec)	Yes (2 or 10 sec)	Yes	Yes (2 or 10 sec)	Yes	Yes (2 or 10 sec)	Yes (2 or 10 sec)	Yes (10 sec)	Yes (2 or 10 sec)	Yes (2 or 10 sec)	Yes (3 or 10 sec)	
Metering modes	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot 	<ul style="list-style-type: none"> Multi Center-weighted Spot
Exposure compensation	±2 (at 1/3 EV steps)	±2 (at 1/3 EV steps)	±2 (at 1/3 EV steps)	±5 (at 1/3 EV, 1/2 EV steps)	±2 (at 1/3 EV steps)	±2 (at 1/3 EV steps)	±5 (at 1/3 EV, 1/2 EV steps)	±5 (at 1/3 EV, 1/2 EV steps)	±2 (at 1/3 EV steps)	±2 (at 1/3 EV steps)	±2 (at 1/3 EV steps)	±2 (at 1/3 EV steps)	±2 (at 1/3 EV steps)	±2 (at 1/3 EV steps)	±2 (at 1/3 EV steps)	±2 (at 1/3 EV steps)	±2 (at 1/3 EV steps)	±2 (at 1/3 EV steps)	
AE Bracketing				(2, 3, 5 frames at 1/3 EV, 1/2 EV, 2/3 EV, 1 EV, 2 EV steps)			(3 frames at 1/3 EV, 1/2 EV, 2 EV steps)	(2, 3 frames at 1/3 EV, 1/2 EV, 2/3 EV, 1 EV steps)											
WB Bracketing		No	No	Yes	No		Yes (2 or 3 frames in steps of 1, 2 or 3 mired)	Yes (2 or 3 frames in either blue/amber or magenta/green axis)											
Videography features																			
Resolutions	1920 x 1080 (60p, 30p), 1280 x 720 (30p), 640 x 480 (30p)	1920 x 1080 (60p, 30p), 1280 x 720 (30p), 640 x 480 (30p)	1920 x 1080 (60, 30 fps), 1280 x 720 (30 fps), 640 x 480 (30, 120 fps), 320 x 240 (240 fps)	1920 x 1080 (60, 50, 25, 24 fps), 1280 x 720 (30, 24 fps), 640 x 480 (30, 240 fps)	1920 x 1080 (24fps), 1280 x 720 (30 fps), 640 x 480 (30fps), 320 x 240 (30 fps)	1280 x 720 (30 fps), 848 x 480 (30 fps), 640 x 480 (30fps), 320 x 240 (30 fps)	1920 x 1080 (24 fps), 1280 x 720 (24, 25, 30 fps), 640 x 480 (24 fps), 320 x 216 (24 fps)	1280 x 720 (30 fps), 848 x 480 (30 fps), 640 x 480 (30 fps), 320 x 240 (30 fps)	640 x 480, 30 fps, 320 x 240, 30 fps	848 x 480, 30 fps, 640 x 480, 30 fps, 320 x 240, 30 fps	640 x 480, 30 fps	848 x 480, 640 x 480, 320 x 240 @ 30/10 fps	640 x 480 @ 60/30/15 fps	MPEG VX (640 x 480, 8/16/30 fps, unlimited) with audio	640 x 480, 320 x 240, 160 x 120	640 x 480, 30 secs, 320 x 240, 15 fps, max 3 mins			
Format	MPEG-4, H.264	H.264	MPEG-4, H.264	MPEG-4, H.264	MPEG-4, H.264	AVCHD Lite	MPEG-4, H.264	Motion JPEG	AVCHD Lite									MPEG VX	
Videography notes				1080i60, 1080p25 in NTSC countries, 1080p60, 1080p24 in PAL countries															
Microphone	Stereo	Stereo	Stereo	Stereo	Stereo	Stereo	Mono	Mono	Stereo									Mono	
Speaker	Mono	Mono	Mono	Mono	None	None	Mono	Mono											
Storage types	SD/SDHC/SDXC card	SD/SDHC/SDXC	SD/SDHC/SDXC	SD/SDHC/SDXC x 2 slots	SD/SDHC/SDXC	SD/SDHC/SDXC, 15 MB Internal	SD/SDHC/SDXC	SD/SDHC	SD/MMC/SDHC card, Internal	Memory Stick Duo / Pro Duo, Internal	SD/MMC/SDHC card, Internal	xD Picture Card, Internal	SD/MMC/SDHC card, Internal	SD/SDHC card	Memory Stick / Pro, Internal	Compact Flash (Type I)	Compact Flash (Type II)	Compact Flash (Type I only)	
Storage included									None	40 MB Internal	15 MB Internal	24 MB Internal	47 MB Internal	27 MB Internal	16 MB SD card	32 MB CompactFlash	16 MB CompactFlash	16 MB CompactFlash	
Connectivity																			
USB	USB 2.0 (480 Mbit/sec)	USB 2.0 (480 Mbit/sec)	USB 2.0 (480 Mbit/sec)	USB 2.0 (480 Mbit/sec)	USB 2.0 (480 Mbit/sec)	USB 2.0 (480 Mbit/sec)	USB 2.0 (480 Mbit/sec)	USB 2.0 (480 Mbit/sec)	USB 2.0 (480 Mbit/sec)	USB 1.1 (12 Mbit/sec)	USB 2.0 (480 Mbit/sec)	USB 1.0 (1.5 Mbit/sec)	USB 2.0 (480 Mbit/sec)	USB 2.0 (480 Mbit/sec)	USB 1.0 (1.5 Mbit/sec)	USB 1.0 (1.5 Mbit/sec)	USB 1.0 (1.5 Mbit/sec)	USB 1.0 (1.5 Mbit/sec)	
HDMI	Yes (micro-HDMI)	Yes (micro-HDMI)	Yes (Mini)	Yes (Mini Type C)	Yes	Yes	Yes (Mini Type C)	Yes (Mini Type C)	Yes	No	No	No	No	No	No	No	No	Yes (Wire-Optional)	
Microphone port	No	No	No	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	
Headphone port	No	No	No	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	
Wireless	Built-in	Built-in	Built-in	Optional	Eye-Fi Connected		Eye-Fi Connected	Eye-Fi Connected											
Wireless notes	802.11b/g/n with NFC	802.11b/g/n with NFC		Yes (Optional, wired MC-DC2 or wireless WR-1 and WR-R10)	No	No	Yes (Optional, wired or wireless)	Yes (Optional ML-L3 or MC-DC2)	No	No	No	Yes (Optional RM-UC1)	No	No	No	No	No	Yes (Wire-Optional)	
Remote control	Yes (via smartphone)	No	No																

Physical

Environmentally sealed	No	No	No	Yes (Water and dust resistant)	No	No	Yes (Weather and dust resistant)	No	No	No	No	No	No	No	No	No	No	No
Battery	Battery Pack	Battery Pack	Battery Pack	Battery Pack	Battery Pack	Battery Pack	Battery Pack	Battery Pack	Battery Pack	Battery Pack	AA	AA	AA	AA	AA	AA	AA	AA
Battery description	NB-13L lithium-ion battery & charger	NB-6LH lithium-ion battery and charger	Lithium-ion NB-6L rechargeable battery & charger	Lithium-ion EN-EL15 rechargeable battery & charger	Lithium-ion NB-10L rechargeable battery & charger	Lithium-ion rechargeable battery & charger	Lithium-ion EN-EL15 rechargeable battery & charger	Lithium-ion EN-EL3e rechargeable battery & charger	Lithium-ion rechargeable battery & charger	Lithium-ion (NP-BG1) & charger	AA (2) batteries (NiMH recommended)	AA (4) batteries (NiMH recommended)	AA (2) batteries (NiMH recommended)	AA (2) batteries (NiMH recommended)	AA (2) batteries (NiMH rechargeables included)	AA (4) batteries (NiMH recommended)	AA (4) batteries (NiMH recommended)	AA (4) batteries (NiMH recommended)
Battery Life (CIPA)	250	250	210	250	300	1050	850	229 g (0.50 lb / 8.08 oz)	173 g (0.38 lb / 6.10 oz)	179 g (0.39 lb / 6.31 oz)	405 g (0.89 lb / 14.29 oz)	234 g (0.52 lb / 8.25 oz)	215 g (0.47 lb / 7.58 oz)	250 g (0.55 lb / 8.82 oz)	335 g (0.74 lb / 11.82 oz)	315 g (0.69 lb / 11.11 oz)	450 g (0.99 lb / 15.87 oz)	
Weight (inc. batteries)	270 g (0.60 lb / 9.52 oz)	269 g (0.59 lb / 9.49 oz)	238 g (0.51 lb / 8.22 oz)	705 g (1.69 lb / 26.98 oz)	600 g (1.32 lb / 21.16 oz)	218 g (0.48 lb / 7.69 oz)	780 g (1.72 lb / 27.51 oz)	703 g (1.55 lb / 24.80 oz)	229 g (0.50 lb / 8.08 oz)	173 g (0.38 lb / 6.10 oz)	179 g (0.39 lb / 6.31 oz)	405 g (0.89 lb / 14.29 oz)	234 g (0.52 lb / 8.25 oz)	215 g (0.47 lb / 7.58 oz)	250 g (0.55 lb / 8.82 oz)	335 g (0.74 lb / 11.82 oz)	315 g (0.69 lb / 11.11 oz)	450 g (0.99 lb / 15.87 oz)
Dimensions	110 x 64 x 36 mm (4.33 x 2.52 x 1.42")	113 x 66 x 35 mm (4.45 x 2.6 x 1.38")	106 x 63 x 33 mm (4.17 x 2.48 x 1.3")	136 x 107 x 76 mm (5.35 x 4.21 x 2.99")	123 x 92 x 108 mm (4.84 x 3.62 x 4.25")	103 x 60 x 33 mm (4.06 x 2.36 x 1.3")	132 x 105 x 77 mm (5.2 x 4.13 x 3.03")	132 x 103 x 77 mm (5.2 x 4.06 x 3.03")	103 x 60 x 33 mm (4.06 x 2.36 x 1.3")	94 x 58 x 24 mm (3.69 x 2.28 x 0.94")	96 x 62 x 31 mm (3.77 x 2.44 x 1.23")	116 x 79 x 78 mm (4.57 x 3.11 x 3.07")	99 x 62 x 33 mm (3.9 x 2.44 x 1.3")	90 x 64 x 43 mm (3.54 x 2.52 x 1.69")	91 x 60 x 36 mm (3.58 x 2.36 x 1.42")	101 x 65 x 35 mm (3.98 x 2.56 x 1.38")	101 x 64 x 32 mm (3.98 x 2.52 x 1.26")	143 x 79 x 38 mm (5.63 x 3.11 x 1.5")
Other features																		
Orientation sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes	No	No
Timelapse recording	No	No	No	Yes	No	No	Yes	Yes (By USB cable and PC)	No	No	No	Yes	No	No	No	No	No	No
GPS	None	None	Built-in	Optional	None	Built-in	Optional	Optional	None		None	None						
GPS notes			A-GPS (Assisted GPS) supported. GPS logging, GPS Logger, automatic time update	GP-1			GP-1	GP-1										