

High-Definition Consumer HDSLRs Cameras Comparison Chart

	Canon EOS Rebel T3	Canon EOS Rebel T2i	Canon EOS Rebel T3i	Nikon D90	Nikon D3200	Nikon D5100	Sony Alpha SLT-A35	Sony Alpha SLT-A55	Sony Alpha SLT-A57
Sensor Type	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS
Sensor Size	22 x 14.7mm (APS-C)	22.3 x 14.9mm (APS-C)	22.3 x 14.9mm (APS-C)	23.6 x 15.8mm (DX)	23.2 x 15.4mm (DX)	23.6 x 15.6mm (DX)	23.4 x 15.6mm	23.5 x 15.6mm	23.5 x 15.6mm
Effective Pixels	12.2MP	18MP	18MP	12.3MP	24.2MP	16.2MP	16.2MP	16.1MP	16.1MP
Total Pixels	12.6MP	Not specified by manufacturer	18.7MP	12.9MP	24.7MP	16.9MP	16.5MP	16.7MP	16.7MP
Movie File Formats	MOV	MOV	MOV	Not specified by manufacturer	MOV	MOV	AVCHD, MP4	AVCHD, MP4	AVCHD, MP4
Movie Compression	H.264/MPEG-4	H.264/MPEG-4	H.264/MPEG-4	Not specified by manufacturer	H.264/MPEG-4	H.264/MPEG-4	H.264/MPEG-4	H.264/MPEG-4	H.264/MPEG-4
Audio File Formats	Linear PCM	Linear PCM	Linear PCM	Not specified by manufacturer	Linear PCM	Linear PCM	Dolby Digital (AC-3), MPEG-4 AAC-LC	Dolby Digital (AC-3), MPEG-4 AAC-LC	Dolby Digital (AC-3), MPEG-4 AAC-LC
Movie Sizes	1280 x 720	1920 x 1080, 1280 x 720, 640 x 480	1920 x 1080, 1280 x 720, 640 x 480	1280 x 720, 640 x 424, 320 x 216	1920 x 1080, 1280 x 720, 640 x 424	1920 x 1080, 1280 x 720, 640 x 424	1920 x 1080, 1440 x 1080, 640 x 480	1920 x 1080, 1440 x 1080, 640 x 480	1920 x 1080, 1440 x 1080, 640 x 480
Frame Rates (FPS)	720p/30, 25	1080p/30, 25, 24; 720p/60, 50; 480p/60, 50	1080p/30, 25, 24; 720p/60, 50; 480p/30, 25	24	1080p/30, 25, 24; 720p/60, 50; 424p/30, 25	1080p/30, 24; 720p/30, 24; 424p/30	1080i/60; 1080p/30; 480/30p	1080i/60; 1080p/60, 30, 24; 480p/30	1080i/60; 1080p/60, 30, 24; 480p/30
Continuous Recording Time	Approx. 17 min.	4GB/clip	4GB/clip	Not specified by manufacturer	20 min.	20 min.	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer
Video File Size	Approx. 222MB/min	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Up to 17MB/s	Up to 17MB/s	Up to 28MB/s
Interface	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C
Video Out	NTSC/PAL	NTSC/PAL	NTSC/PAL	NTSC	NTSC/PAL	NTSC	NTSC	NTSC	NTSC
Audio Out	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer
Autofocus System	TTL-CT-SIR AF-dedicated CMOS sensor	TTL-CT-SIR AF-dedicated CMOS sensor	TTL-CT-SIR AF-dedicated CMOS sensor	Nikon Multi-CAM 1000 autofocus sensor module with TTL phase detection	Nikon Multi-CAM 1000 autofocus sensor module with TTL phase detection	Nikon Multi-CAM 1000 autofocus sensor module with TTL phase detection	TTL phase detection AF	TTL phase detection AF	TTL phase detection AF
Viewfinder	Eye-level Pentamirror Single-Lens Reflex viewfinder	Eye-level Pentamirror Single-Lens Reflex viewfinder	Eye-level Pentamirror Single-Lens Reflex viewfinder	Eye-level Pentamirror Single-Lens Reflex viewfinder	Eye-level Pentamirror Single-Lens Reflex viewfinder	Eye-level Pentamirror Single-Lens Reflex viewfinder	0.46" Xtra Fine EVF (1,440K-dot)	0.46" Xtra Fine EVF (1,440K-dot)	0.46" Xtra Fine EVF (1,440K-dot)
Viewfinder Coverage	Approx. 95%	Approx. 95%	Approx. 95%	Approx. 96%	Approx. 95%	Approx. 95%	Approx. 100%	Approx. 100%	Approx. 100%
Viewfinder Magnification	Approx. 0.8x	Approx. 0.87x	Approx. 0.85x	Approx. 0.94x	Approx. 0.78x	Approx. 0.78x	Approx. 1.10x	Approx. 1.10x	Max: 1.04x, Standard: 0.97x
Viewfinder Eyepoint	21mm	19mm	19mm	19.5mm	18mm (-1.0m)	17.9mm	Not specified by manufacturer	Not specified by manufacturer	Max: 23.1mm, 18mm at -1 diopter Standard: 25.2mm, 20.1mm at -1 diopter

High-Definition Consumer HDSLRs Cameras Comparison Chart

	Canon EOS Rebel T3	Canon EOS Rebel T2i	Canon EOS Rebel T3i	Nikon D90	Nikon D3200	Nikon D5100	Sony Alpha SLT-A35	Sony Alpha SLT-A55	Sony Alpha SLT-A57
Viewfinder Diopter Adjustment	-2.5 to +0.5m	-3.0 to +1.0m	-3.0 to +1.0m	-2.0 to +1.0m	-1.7 to +0.5m	-1.7 to +0.7m	-4.0 to +4.0m	-4.0 to +4.0m	-4.0 to +3.0m
LCD Monitor	2.7" TFT-LCD, 230K-dot	3.0" TFT-LCD, 1,040K-dot	3.0" TFT-LCD, 1,040K-dot	3.0" TFT-LCD, 920K-dot	3.0" TFT-LCD, 921K-dot	3.0" TFT-LCD, 921K-dot	3.0" TFT-LCD, 921.6K-dot	3.0" TFT-LCD, 921.6K-dot	3.0" TFT-LCD, 921.6K-dot
LCD Coverage	Approx. 99%	Approx. 100%	Approx. 100%	Approx. 100%	Approx. 100%	Approx. 100%	Approx. 100%	Approx. 100%	Approx. 100%
Shutter Speed Range	30-1/4000, bulb	30-1/4000, bulb	30-1/4000, bulb	30-1/4000, bulb	30-1/4000 sec.	30-1/4000 sec.	30-1/4000, bulb	30-1/4000, bulb	30-1/4000, bulb
ISO Sensitivity	Auto, 100-6400	Auto, 100-12800	Auto, 100-12800	Auto, 100-6400	Auto, 100-12800	Auto, 100-25600	Auto, 100-12800	Auto, 100-25600	Auto, 100-3200
Exposure Metering Method	63-zone TTL full-aperture metering	63-zone TTL full-aperture metering	63-zone TTL full-aperture metering	420 pixel RGB sensor 3D Color Matrix Metering II	TTL exposure metering using 420-pixel RGB sensor	TTL exposure metering using 420-pixel RGB sensor	1200-zone evaluative metering	1200-zone evaluative metering	1200-zone evaluative metering
Exposure Compensation	+/- 5 EV in 1/3 or 1/2 steps	+/- 5 EV in 1/3 or 1/2 steps	+/- 5 EV in 1/3 or 1/2 steps	+/- 5 EV in 1/3, 1/2, 1 steps	+/- 5 EV in 1/3 steps	+/- 5 EV in 1/3 or 1/2 steps	+/- 2 EV in 1/3 steps	+/- 2 EV in 1/3 steps	+/- 3 EV in 1/3 steps
White Balance	Auto, Daylight, Shade, Cloudy, Tungsten Light, White Fluorescent Light, Flash, Custom	Auto, Daylight, Shade, Cloudy, Tungsten Light, White Fluorescent Light, Flash, Custom	Auto, Daylight, Shade, Cloudy, Tungsten Light, White Fluorescent Light, Flash, Custom	Auto (2 types), Auto (TTL white balance with 2,016-pixel RGB sensor), Cloudy, Direct Sunlight, Fine Tune by Kelvin color temperature setting (2,500 K to 10,000K), Flash, Fluorescent (7 types), Incandescent, Preset manual (up to 5 values can be stored), Seven manual modes with fine-tuning, Shade	Auto, Cloudy, Direct Sunlight, Flash, Fluorescent (7 types), Incandescent, Preset Manual, Shade	Auto, Cloudy, Direct Sunlight, Flash, Fluorescent (7 types), Incandescent, Preset Manual, Shade	Auto, Daylight, Shade, Cloudy, Incandescent, Fluorescent, Flash, Setting the color temperature, Custom	Auto, Daylight, Shade, Cloudy, Incandescent, Fluorescent, Flash, Setting the color temperature, Custom	Auto WB, Daylight, Shade, Cloudy, Incandescent, Fluorescent (Warm white/Cool white/Day white/Daylight), Flash, C. Temp 2500 to 9900K, C Filter G7 to M7, 15-step, Custom, AWB micro adjustment
Built-In Flash	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Flash Modes	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Front-curtain sync (normal), Rear-curtain sync, Red-Eye reduction, Red-Eye reduction with slow sync, Slow sync	Front-curtain sync (normal), Rear-curtain sync, Red-Eye reduction, Red-Eye reduction with slow sync, Slow sync	Front-curtain sync (normal), Rear-curtain sync, Red-Eye reduction, Red-Eye reduction with slow sync, Slow sync	Auto, Fill-flash, Slow Sync., Rear Sync., Hi-speed sync., Red-eye reduction (on/off selectable for Autoflash and fill-flash mode), Wireless	Auto, Fill-flash, Slow Sync., Rear Sync., Hi-speed sync., Red-eye reduction (on/off selectable for Autoflash and fill-flash mode), Wireless	Auto, Fill-flash, Slow Sync., Rear Sync., Hi-speed sync., Red-eye reduction (on/off selectable for Autoflash and fill-flash mode), Wireless
Flash Range	30' / 9.2m at ISO 100	43' / 13m at ISO 100 (manual)	43' / 13m at ISO 100 (manual)	56' / 17m at ISO 200	Not specified by manufacturer	43' / 13m at ISO 100 (manual)	32.8' / 10m at ISO 100	32.8' / 10m at ISO 100	32.8' / 10m at ISO 100
Recycling Time	Approx. 2 sec.	Approx. 3 sec.	Approx. 3 sec.	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Approx. 4 sec.	Approx. 4 sec.	Not specified by manufacturer
Flash Exposure Compensation	+/- 2 EV in 1/3 or 1/2 steps	+/- 2 EV in 1/3 or 1/2 steps	+/- 2 EV in 1/3 or 1/2 steps	-3 to +1 EV in 1/3 or 1/2 steps	-3 to +1 EV in 1/3 steps	-3 to +1 EV in 1/3 or 1/2 steps	+/- 2 EV in 1/3 steps	+/- 2 EV in 1/3 steps	+/- 2 EV in 1/3 steps

High-Definition Consumer HDSLRs Cameras Comparison Chart

	Canon EOS Rebel T3	Canon EOS Rebel T2i	Canon EOS Rebel T3i	Nikon D90	Nikon D3200	Nikon D5100	Sony Alpha SLT-A35	Sony Alpha SLT-A55	Sony Alpha SLT-A57
Shooting Modes	Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined 1-3	Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined 1-3	Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined 1-3	Landscape, Monochrome, Neutral, Nine User-customizable Settings, Portrait, Standard, Vivid	Auto, Auto [Flash Off], Child, Close-up, Landscape, Night Portrait, Portrait, Sports	Autumn Colors, Beach / Snow, Blossom, Candlelight, Child, Close-up, Dusk / Dawn, Food, Landscape, Night Landscape, Night Portrait, Party / Indoor, Pet Portrait, Portrait, Sports, Sunset	Scene Modes: Portrait, Landscape, Macro, Sports action, Sunset, Night portrait, Night View, Handheld Twilight Picture Effects: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R), Partial Color (G), Partial Color (B), Partial Color (Y), High-key, High Contrast Monochrome, Toy Camera	Portrait, Landscape, Macro, Sports action, Sunset, Night portrait, Night View, Handheld Twilight, Standard, Vivid, Portrait, Landscape, Sunset, B/W	Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (R,G,B,Y), High Contrast Monochrome, Toy Camera, Soft High-key, Soft Focus, HDR Painting, Rich-tone Monochrome, Miniature
Self Timer	2, 10 sec.	2, 10 sec.	2, 10 sec.	2, 5, 10, 20 sec.	2, 5, 10, 20 sec.	2, 5, 10, 20 sec.	2, 10 sec.	2, 10 sec.	2, 10 sec.
Continuous Shooting	Up to 3 fps	Up to 3.7 fps	Up to 3.7 fps	Up to 4.5 fps	Up to 4 fps	Up to 4 fps	Up to 7 fps	Up to 6 fps	Up to 12 fps
Storage Media	SD, SDHC, SDXC	SD, SDHC, SDXC	SD, SDHC, SDXC	SD, SDHC	SD, SDHC, SDXC	SD, SDHC, SDXC	Memory Stick PRO Duo/Pro-HG Duo, SD, SDHC, SDXC	Memory Stick PRO Duo/Pro-HG Duo, SD, SDHC, SDXC	Memory Stick PRO Duo, Memory Stick PRO-HG Duo, SD, SDHC, SDXC
Image File Formats	JPEG, RAW	JPEG, RAW	JPEG, RAW	JPEG, RAW	JPEG, RAW	JPEG, RAW	JPEG, RAW	JPEG, RAW	JPEG, RAW
Still Image Sizes	RAW (12.2MP): 4272 x 2848 Large (12.2MP): 4272 x 2848 Medium (6.3MP): 3088 x 2056 Small (3.4MP): 2256 x 1504 S2 (2.5MP): 1920 x 1280 S3 (0.35MP): 720 x 480	RAW: 5184 x 3456 Large/Fine: 5184 x 3456 Large/Normal: 5184 x 3456 Medium/Fine: 3456 x 2304 Medium/Normal: 3456 x 2304 Small/Fine: 2592 x 1728 Small/Normal: 2592 x 1728	RAW (17.9MP): 5184 x 3456 Large (17.9MP): 5184 x 3456 Medium (8MP): 3456 x 2304 Small (4.5MP): 2592 x 1728 S2 (2.5MP): 1920 x 1280 S3 (0.35MP): 720 x 480	L: 4288 x 2848 M: 3216 x 2136 S: 2144 x 1424	L: 6016 x 4000 M: 4512 x 3000 S: 3008 x 2000	L: 4928 x 3264 M: 3696 x 2448 S: 2464 x 1632	[3:2] 16MP: 4912 x 3264 8.4MP: 3568 x 2368 4MP: 2448 x 1624 [16:9] 14MP: 4912 x 2760 7.1MP: 3568 x 2000 3.4MP: 2448 x 1376 [Panorama] W: Horizontal 12416 x 1856 (23MP), Vertical 5536 x 2160 (12MP) S: Horizontal 8192 x 1856 (15MP), Vertical 3872 x 2160 (8.4MP) W: 7152 x 1080 (7.7MP) S: 4912 x 1080 (5.3MP) 16:9: 1920 x 1080 (2.1MP)	[3:2] 16MP: 4912 x 3264 8.4MP: 3568 x 2368 4MP: 2448 x 1624 [16:9] 14MP: 4912 x 2760 7.1MP: 3568 x 2000 3.4MP: 2448 x 1376 [Panorama] W: Horizontal 12416 x 1856 (23MP), Vertical 5536 x 2160 (12MP) S: Horizontal 8192 x 1856 (15MP), Vertical 3872 x 2160 (8.4MP) W: 7152 x 1080 (7.7MP) S: 4912 x 1080 (5.3MP) 16:9: 1920 x 1080 (2.1MP)	[3:2] 16MP: 4912 x 3264 8.4MP: 3568 x 2368 4MP: 2448 x 1624 [16:9] 14MP: 4912 x 2760 7.1MP: 3568 x 2000 3.4MP: 2448 x 1376 [Sweep Panorama] W: Horizontal 12416 x 1856 (23MP), Vertical 5536 x 2160 (12MP) S: Horizontal 8192 x 1856 (15MP), Vertical 3872 x 2160 (8.4MP) [3D Sweep Panorama] W: 7152 x 1080 (7.7MP) S: 4912 x 1080 (5.3MP) 16:9: 1920 x 1080 (2.1MP)

High-Definition Consumer HDSLRs Cameras Comparison Chart

	Canon EOS Rebel T3	Canon EOS Rebel T2i	Canon EOS Rebel T3i	Nikon D90	Nikon D3200	Nikon D5100	Sony Alpha SLT-A35	Sony Alpha SLT-A55	Sony Alpha SLT-A57
Display Languages	English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Japanese	English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Japanese	English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Hungarian, Czech, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Japanese	Chinese (Simplified and Traditional), Dutch, English, Finnish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Swedish, Spanish	Arabic, Brazilian Portuguese, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Thai, Turkish, Ukrainian	Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish, Spanish	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer
Power Source	LP-E10 rechargeable lithium-ion battery	LP-E8 rechargeable lithium-ion battery	LP-E8 rechargeable lithium-ion battery	EN-EL3e rechargeable lithium-ion battery	EN-EL14 rechargeable lithium-ion battery	EN-EL14 rechargeable lithium-ion battery	NP-FW50 rechargeable lithium-ion battery	NP-FW50 rechargeable lithium-ion battery	NP-FM500H rechargeable lithium-ion battery
Shooting Capacity	Approx. 800 shots	Approx. 550 shots	Approx. 550 shots	Approx. 850 shots	Approx. 540 shots	Approx. 660 shots	Approx. 440 shots (EVF on), 420 shots (LCD on)	Approx. 330 shots (EVF on), 380 shots (LCD on)	Approx. 550 shots (EVF on), 590 shots (LCD on)
Operating Temperature	32-104°F / 0-40°C	32-104°F / 0-40°C	32-104°F / 0-40°C	32-104°F / 0-40°C	32-104°F / 0-40°C	32-104°F / 0-40°C	32-104°F / 0-40°C	32-104°F / 0-40°C	32-104°F / 0-40°C
Operating Humidity	85% or less	85% or less	85% or less	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer
Camera Dimensions	5.1 x 3.9 x 3.1 / 129.9 x 99.7 x 77.9mm	5.1 x 3.8 x 3" / 128.8 x 97.5 x 75.3mm	5.2 x 3.9 x 3.1"/133.1 x 99.5 x 79.7mm	5.2 x 4.1 x 3" / 132 x 103 x 77mm	5 x 3.8 x 3.1" / 125 x 96 x 76.5mm	5 x 3.8 x 3.1" / 127 x 96.5 x 78.7mm	4.9 x 3.6 x 3.3" / 124.4 x 92 x 84.7mm	4.9 x 3.6 x 3.3" / 124.4 x 92 x 84.7mm	5.25 x 3.9 x 3.25" / 132 x 97.5 x 81mm
Camera Weight	1.1 lb / 495 g	1.2 lb / 530 g	1.1 lb / 515 g	1.4 lb / 620 g	1 lb / 455 g	1.2 lb / 560 g	1 lb / 473 g	1.1 lb / 492 g	1.4 lb / 618 g

High-Definition Prosumer HDSLRs Cameras Comparison Chart

	Nikon D7000	Nikon D300S	Olympus E-5	Pentax K-5
Sensor Type	CMOS	CMOS	Live MOS	CMOS
Sensor Size	23.6 x 15.6mm (DX)	23.6 x 15.8mm (DX)	17.3 x 13mm	23.7 x 15.7mm
Effective Pixels	16.2MP	12.3MP	12.3MP	16.3MP
Total Pixels	16.9MP	13.1MP	13..1MP	16.9MP
Movie File Formats	Not specified by manufacturer	AVI	AVI (Motion JPEG)	AVI (Motion JPEG)
Movie Compression	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer
Audio File Formats	Not specified by manufacturer	Not specified by manufacturer	WAV, Stereo PCM	Not specified by manufacturer
Movie Sizes	1920 x 1080, 1280 x 720, 640 x 424	1280 x 720, 640 x 424, 320 x 216	1280 x 720, 640 x 480	1920 x 1080, 1280 x 720, 640 x 480
Frame Rates (FPS)	1080p/24; 720p/30, 24; 424p/30	24	30	1080p/25; 720p/30, 25; 480p/30, 25
Continuous Recording Time	Not specified by manufacturer	Not specified by manufacturer	HD: 7min, SD: 14min	Not specified by manufacturer
Video File Size	Not specified by manufacturer	Not specified by manufacturer	Up to 2GB/clip	Not specified by manufacturer
Interface	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C
Video Out	NTSC/PAL	NTSC/PAL	NTSC/PAL	NTSC
Audio Out	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer
Autofocus System	Nikon Multi-CAM 4800DX autofocus sensor module with TTL phase detection	Nikon Advanced Multi-CAM 3500DX autofocus sensor module with TTL phase detection	TTL phase-difference detection system	SAFOX IX+ TTL phase-difference 11 point (9 cross) wide autofocus system with light wavelength sensor
Viewfinder	Eye-level Pentaprism Single-Lens Reflex Viewfinder	Eye-level Pentaprism Single-Lens Reflex Viewfinder	Eye-level single-lens reflex viewfinder	Pentaprism
Viewfinder Coverage	Approx. 100%	Approx. 100%	Approx. 100%	Approx. 100%
Viewfinder Magnification	Approx. 0.95x	Approx. 0.94x	Approx. 1.15x	Approx. 0.92x
Viewfinder Eyepoint	19.5mm (-1.0m)	19.5mm (-1.0m)	20mm (-1.0m)	Not specified by manufacturer

High-Definition Prosumer HDSLRs Cameras Comparison Chart

	Nikon D7000	Nikon D300S	Olympus E-5	Pentax K-5
Viewfinder Diopter Adjustment	-3.0 to +1.0m	-2.0 to +1.0m	-3,0 to + 1.0m	-2.5 to +1.5m
LCD Monitor	3.0" TFT-LCD, 921K-dot	3.0" TFT-LCD, 921K-dot	3.0" TFT-LCD, 920K-dot	3.0" TFT-LCD, 921K-dot
LCD Coverage	Approx. 100%	Approx. 100%	Approx. 100%	Approx. 100%
Shutter Speed Range	30-1/8000, bulb	30-1/8000, bulb	60-1/8000, bulb	30-1/8000, bulb
ISO Sensitivity	Auto, 100-25600	Auto, 100-6400	Auto, 200-6400	80-51200
Exposure Metering Method	TTL exposure metering using 2,016-pixel RGB sensor	1,005-pixel RGB sensor 3D Color Matrix Metering II	TTL open-aperture metering system	77 segment TTL open aperture metering
Exposure Compensation	+/- 5 EV in 1/3, 1/2, 1, or 2 steps	+/- 5 EV in 1/3, 1/2, or 1 steps	+/- 5 EV in 1/3, 1/2, or 1 steps	+/- 5 EV in 1/3 or 1/2 steps
White Balance	Auto (2 types), Auto (TTL white balance with 2,016-pixel RGB sensor), Cloudy, Direct Sunlight, Fine Tune by Kelvin color temperature setting (2,500 K to 10,000K), Flash, Fluorescent (7 types), Incandescent, Preset manual (up to 5 values can be stored), Seven manual modes with fine-tuning, Shade	Auto (2 types), Auto (TTL white balance with 2,016-pixel RGB sensor), Cloudy, Direct Sunlight, Fine Tune by Kelvin color temperature setting (2,500 K to 10,000K), Flash, Fluorescent (7 types), Incandescent, Preset manual (up to 5 values can be stored), Seven manual modes with fine-tuning, Shade	Lamp (3000K), Fluorescent (4000K), Daylight (5300K), Flash (5500K), Cloudy (6000K), Shade (7500K), Underwater	Auto, Daylight, Shade, Cloudy, Fluorescent (D, N, W, L), Tungsten, Flash
Built-In Flash	Yes	Yes	Yes	Yes
Flash Modes	Front-curtain sync (normal), Rear-curtain sync, Red-Eye reduction, Red-Eye reduction with slow sync, Slow sync	Front-curtain sync (normal), Rear-curtain sync, Red-Eye reduction, Red-Eye reduction with slow sync, Slow sync	Auto, Red-eye reduction, Red-eye reduction slow sync., Slow sync at 1st curtain, Slow sync at 2nd curtain, Fill-in, Manual (1/4, 1/16, 1/64), Off	On, Red eye, Slow Sync, Slow Sync + Red eye, Trailing Curtain Sync, Wireless
Flash Range	39' / 11m at ISO 100	Not specified by manufacturer	42.7' / 13m at ISO 100	42.7' / 13m at ISO 100

High-Definition Prosumer HDSLRs Cameras Comparison Chart

	Nikon D7000	Nikon D300S	Olympus E-5	Pentax K-5
Recycling Time	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer
Flash Exposure Compensation	-3 to +1 EV in 1/3 or 1/2 steps	-3 to +1 EV in 1/3 or 1/2 steps	+/- 3 EV in 1/3, 1/2, or 1 steps	-2 to 1 EV in 1/2 steps
Shooting Modes	Landscape, Monochrome, Neutral, Nine User-customizable Settings, Portrait, Standard, Vivid	Monochrome, Neutral, Nine User-customizable Settings, Standard, Vivid	i-ENHANCE, Vivid, Natural, Portrait, Muted, Monotone, Custom (default setting: Natural), Pop Art, Soft Focus, Pale & Color, Light Tone, Grainy Film, Pin Hole, Diorama, Gentle Sepia, Cross Process, Dramatic Tone	Bright, Natural, Portrait, Landscape, Vibrant, Muted, Monochrome, Reversal Film, Bleach Bypass, Toy Camera, Retro, High Contrast, Extract Color, Soft, Starburst, Fisheye
Self Timer	2, 5, 10, 20 sec.	2, 5, 10, 20 sec.	2, 12 sec.	2, 12 sec.
Continuous Shooting	Up to 6 fps	Up to 7 fps	Up to 5 fps	Up to 7 fps
Storage Media	SD, SDHC, SDXC	CompactFlash, SD, SDHC	CompactFlash, SD, SDHC, SDXC	SD, SDHC, SDXC
Image File Formats	JPEG, RAW	JPEG, TIFF, RAW	JPEG, RAW	JPEG, RAW
Still Image Sizes	L: 4928 x 3264 M: 3696 x 2448 S: 2464 x 1632	L: 4288 x 2848 M: 3216 x 2136 S: 2144 x 1424	[RAW] 4032 x 3024 [JPEG] 4032 x 3024 - 640 x 480	16MP: 4928 x 3264 10MP: 3936 x 2624 6MP: 3072 x 2048 2MP: 1728 x 1152

High-Definition Prosumer HDSLRs Cameras Comparison Chart

	Nikon D7000	Nikon D300S	Olympus E-5	Pentax K-5
Display Languages	Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish, Spanish	Chinese (Simplified and Traditional), Dutch, English, Finnish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Swedish, Spanish	Japanese, English , French, German, Spanish, Italian, Korean, Traditional Chinese, Simplified Chinese, Russian, Czech, Dutch, Danish, Polish, Portuguese, Swedish, Norwegian, Finnish, Croat, Slovenian, Hungarian, Greek, Slovakian, Turkish, Latvian, Estonian, Lithuanian, Ukrainian, Serbian, Bulgarian, Rumanian, Indonesian, Malay, Thai	English, French, German, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Korean, Chinese (Simplified/Traditional), Japanese
Power Source	EN-EL15 rechargeable lithium-ion battery	EN-EL3e rechargeable lithium-ion battery	BLM-5 rechargeable lithium-ion battery	D-LI90 rechargeable lithium-ion battery
Shooting Capacity	Approx. 1050 shots	Approx. 950 shots	Approx. 870 shots	Approx. 980 shots
Operating Temperature	32-104°F / 0-40°C	32-104°F / 0-40°C	32-104°F / 0-40°C	14-104°F / -10-40°C
Operating Humidity	Not specified by manufacturer	Not specified by manufacturer	30-90%	Not specified by manufacturer
Camera Dimensions	5.2 x 4.1 x 3" / 132 x 103 x 77mm	5.8 x 4.5 x 2.9" / 147 x 114 x 74mm	5.6 x 4.6 x 2.9" / 142.5 x 116.5 x 74.5mm	5.2 x 3.8 x 2.9" / 132.1 x 96.5 x 73.7mm
Camera Weight	1.5 lb / 690 g	1.9 lb / 840 g	2 lb / 892 g	1.5 lb / 660 g

High-Definition Semi-Professional HDSLRs Cameras Comparison Chart

	Canon EOS 60D	Canon EOS 7D	Sony Alpha SLT-A65	Sony Alpha SLT-A77
Sensor Type	CMOS	CMOS	CMOS	CMOS
Sensor Size	22.3 x 14.9mm (APS-C)	22.3 x 14.9mm (APS-C)	23.5 x 15.6mm	23.5 x 15.6mm
Effective Pixels	18MP	18MP	24.3MP	24.3MP
Total Pixels	19MP	19MP	24.7MP	24.7MP
Movie File Formats	MOV	MOV	AVCHD, MP4	AVCHD, MP4
Movie Compression	H.264/MPEG-4	H.264/MPEG-4	H.264/MPEG-4	H.264/MPEG-4
Audio File Formats	Linear PCM	Linear PCM	Dolby Digital (AC-3), MPEG-4 AAC-LC	Dolby Digital (AC-3), MPEG-4 AAC-LC
Movie Sizes	1920 x 1080, 1280 x 720, 640 x 480	1920 x 1080, 1280 x 720, 640 x 480	1920 x 1080, 1440 x 1080, 640 x 480	1920 x 1080, 1440 x 1080, 640 x 480
Frame Rates (FPS)	1080p/30, 25, 24; 720p/60, 50; 480p/60, 50	1080p/30, 25, 24; 720p/60, 50; 480p/60, 50	1080i/60; 1080p/60, 30, 24; 480p/30	1080i/60; 1080p/60, 30, 24; 480p/30
Continuous Recording Time	4GB/clip	4GB/clip	Not specified by manufacturer	Not specified by manufacturer
Video File Size	Not specified by manufacturer	Not specified by manufacturer	Up to 28MB/s	Up to 28MB/s
Interface	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C
Video Out	NTSC/PAL	NTSC/PAL	NTSC	NTSC
Audio Out	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer
Autofocus System	TTL-CT-SIR AF-dedicated CMOS sensor	TTL-CT-SIR AF-dedicated CMOS sensor	TTL phase detection AF	TTL phase detection AF
Viewfinder	Eye-level pentaprism	Eye-level pentaprism	0.50" XGA OLED EVF (2359K-dot)	0.50" XGA OLED EVF (2359K-dot)
Viewfinder Coverage	Approx. 96%	Approx. 100%	Approx. 100%	Approx. 100%
Viewfinder Magnification	Approx. 0.95x	Approx. 1.0x	Approx. 1.09x	Approx. 1.09x
Viewfinder Eyepoint	22mm	22mm	Not specified by manufacturer	Not specified by manufacturer

High-Definition Semi-Professional HDSLRs Cameras Comparison Chart

Viewfinder Diopter Adjustment	-3.0 to +1.0m	-3.0 to +1.0m	-4.0 to +3.0m	-4.0 to +3.0m
LCD Monitor	3.0" TFT-LCD	3.0" TFT-LCD, 920K-dot	3.0" TFT-LCD, 921.6K-dot	3.0" TFT-LCD, 921.6K-dot
LCD Coverage	Approx. 100%	Approx. 100%	Approx. 100%	Approx. 100%
Shutter Speed Range	30-1/8000, bulb	30-1/8000, bulb	30-1/4000, bulb	30-1/8000, bulb
ISO Sensitivity	Auto, 100-12800	Auto, 100-6400	100-16000	100-16000
Exposure Metering Method	63-zone TTL full-aperture metering	63-zone SPC TTL metering	1200-zone evaluative metering	1200-zone evaluative metering
Exposure Compensation	+/- 5 EV in 1/3 or 1/2 steps	+/- 5 EV in 1/3 or 1/2 steps	+/- 3 EV in 1/3 steps	+/- 5 EV in 1/3 or 1/2 steps
White Balance	Auto, Daylight, Shade, Cloudy, Tungsten Light, White Fluorescent Light, Flash, Custom, Color Temperature setting	Auto, Daylight, Shade, Cloudy, Tungsten Light, White Fluorescent Light, Flash, Custom, Color Temperature setting	Auto, Daylight, Shade, Cloudy, Incandescent, Fluorescent (Warm White, Cool White, Day White) , Flash, Setting the color temperature, Color Filter, Custom	Auto, Daylight, Shade, Cloudy, Incandescent, Fluorescent (Warm White, Cool White, Day White, Daylight) , Flash, Setting the color temperature, Color Filter, Custom
Built-In Flash	Yes	Yes	Yes	Yes
Flash Modes	Not specified by manufacturer	Not specified by manufacturer	Auto, Fill-flash, Slow Sync., Rear Sync., Hi-speed sync., Red-eye reduction (on/off selectable for Autoflash and fill-flash mode), Wireless, Off	Auto, Fill-flash, Slow Sync., Rear Sync., Hi-speed sync., Red-eye reduction (on/off selectable for Autoflash and fill-flash mode), Wireless, Off
Flash Range	43' / 13m at ISO 100 (manual)	39' / 12m at ISO 100 (manual)	32.8' / 10m at ISO 100	39.4' / 12m at ISO 100
Recycling Time	Approx. 3 sec.	Approx. 3 sec.	Approx. 3 sec.	Approx. 3 sec.
Flash Exposure Compensation	+/- 3 EV in 1/3 or 1/2 steps	+/- 3 EV in 1/3 or 1/2 steps	+/- 2 EV in 1/3 steps	+/- 3 EV in 1/3 or 1/2 steps

High-Definition Semi-Professional HDSLRs Cameras Comparison Chart

Shooting Modes	Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined 1-3	Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined 1-3	Scene Modes: Portrait, Landscape, Macro, Sports action, Sunset, Night portrait, Night View, Handheld Twilight Picture Effects: Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (R,G,B,Y), High Contrast Monochrome, Toy Camera, Soft High-key, Soft Focus, HDR Painting, Rich-tone Monochrome, Miniature	Scene Modes: Portrait, Landscape, Macro, Sports action, Sunset, Night portrait, Night View, Handheld Twilight Picture Effects: Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (R,G,B,Y), High Contrast Monochrome, Toy Camera, Soft High-key, Soft Focus, HDR Painting, Rich-tone Monochrome, Miniature
Self Timer	2, 10 sec.	2, 10 sec.	2, 10 sec.	2, 10 sec.
Continuous Shooting	Up to 5.3 fps	Up to 8 fps	Up to 10 fps	Up to 12 fps
Storage Media	SD, SDHC, SDXC	CompactFlash	Memory Stick PRO Duo/Pro-HG Duo, SD, SDHC, SDXC	Memory Stick PRO Duo/Pro-HG Duo, SD, SDHC, SDXC
Image File Formats	JPEG, RAW	JPEG, RAW	JPEG, RAW, MPO	JPEG, RAW, MPO

High-Definition Semi-Professional HDSLRs Cameras Comparison Chart

Still Image Sizes	<p>RAW (17.9MP): 5184 x 3456 M-RAW (10.1MP): 3888 x 2592 S-RAW (4.50 MP): 2592 x 1728 Large/Fine (17.9MP): 5184 x 3456 Medium/Fine (8MP): 3456 x 2304 Small 1/Normal (4.5MP): 2592 x 1728 Small 2/Fine (2.5MP): 1920 x 1280 Small 3/Fine (0.35MP): 720 x 480</p>	<p>RAW (17.9MP): 5184 x 3456 M-RAW (10.1MP): 3888 x 2592 S-RAW (4.5MP): 2592 x 1728 Large (17.9MP): 5184 x 3456 Medium (8MP): 3456 x 2304 Small (4.5MP): 2592 x 1728</p>	<p>[3:2] 24MP: 6000 x 4000 12MP: 4240 x 2832 6MP: 3008 x 2000 [16:9] 20MP: 6000 x 3376 10MP: 4240 x 2400 5.1MP: 3008 x1688 [Panorama] W: Horizontal 12416 x 1856 (23MP), Vertical 5536 x 2160 (12MP) S: Horizontal 8192 x 1856 (15MP), Vertical 3872 x 2160 (8.4MP) W: 7152 x 1080 (7.7MP) S: 4912 x 1080 (5.3MP) 16:9: 1920 x 1080 (2.1MP)</p>	<p>[3:2] 24MP: 6000 x 4000 12MP: 4240 x 2832 6MP: 3008 x 2000 [16:9] 20MP: 6000 x 3376 10MP: 4240 x 2400 5.1MP: 3008 x1688 [Panorama] W: Horizontal 12416 x 1856 (23MP), Vertical 5536 x 2160 (12MP) S: Horizontal 8192 x 1856 (15MP), Vertical 3872 x 2160 (8.4MP) W: 7152 x 1080 (7.7MP) S: 4912 x 1080 (5.3MP) 16:9: 1920 x 1080 (2.1MP)</p>
Display Languages	<p>English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Hungarian, Czech, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Japanese</p>	<p>English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Hungarian, Czech, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Japanese</p>	<p>Not specified by manufacturer</p>	<p>Not specified by manufacturer</p>
Power Source	<p>LP-E6 rechargeable lithium-ion battery</p>	<p>LP-E6 rechargeable lithium-ion battery</p>	<p>NP-FM500H rechargeable lithium-ion battery</p>	<p>NP-FM500H rechargeable lithium-ion battery</p>
Shooting Capacity	<p>Approx. 1600 shots (viewfinder), 350 (LCD on)</p>	<p>Approx. 1000 shots (viewfinder), 230 (Live View)</p>	<p>Approx. 510 shots (EVF on), 560 shots (LCD on)</p>	<p>Approx. 470 shots (EVF on), 530 shots (LCD on)</p>
Operating Temperature	<p>32-104°F / 0-40°C</p>	<p>32-104°F / 0-40°C</p>	<p>32-104°F / 0-40°C</p>	<p>32-104°F / 0-40°C</p>

High-Definition Semi-Professional HDSLRs Cameras Comparison Chart

Operating Humidity	85% or less	85% or less	Not specified by manufacturer	Not specified by manufacturer
Camera Dimensions	5.7 x 4.2 x 3.1" / 144.5 x 105.8 x 78.6mm	5.8 x 4.4 x 2.9" / 148.2 x 110.7 x 73.5mm	5.25 x 3.9 x 3.25" / 132.1 x 97.5 x 80.7mm	5.75 x 4.1 x 3.25" / 142.6 x 104 x 80.9mm
Camera Weight	1.7 lb / 755 g	1.8 lb / 820 g	1.4 lb / 622 g	1.6 lb / 732 g

High-Definition Professional HDSLRs Cameras Comparison Chart

	Canon EOS 5D Mark II	Canon EOS 5D Mark III	Canon EOS 1D Mark IV	Canon EOS 1D X	Nikon D4	Nikon D800/E
Sensor Type	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS
Sensor Size	36 x 24mm (full frame)	36 x 24mm (full frame)	27.9 x 18.6mm (APS-H)	36 x 24mm (full frame)	36 x 23.9mm (FX)	35.9 x 24mm (FX)
Effective Pixels	21.1MP	22.3MP	16.1MP	18.1MP	16.2MP	36.3MP
Total Pixels	22MP	23.4MP	17MP	19.3MP	16.6MP	36.8MP
Movie File Formats	MOV	MOV	MOV	MOV	MOV	MOV
Movie Compression	H.264/MPEG-4	H.264/MPEG-4	H.264/MPEG-4	H.264/MPEG-4	H.264/MPEG-4	H.264/MPEG-4
Audio File Formats	Linear PCM	Linear PCM	Linear PCM	Linear PCM	Linear PCM	Linear PCM
Movie Sizes	1920 x 1080, 1280 x 720, 640 x 480	1920 x 1080, 1280 x 720, 640 x 480	1920 x 1080, 1280 x 720, 640 x 480	1920 x 1080, 1280 x 720, 640 x 480	1920 x 1080, 1280 x 720	1920 x 1080, 1280 x 720
Frame Rates (FPS)	1080p/30, 25, 24; 720p/60, 50; 480p/60, 50	1080p/30, 25, 24; 720p/60, 50; 480p/30, 25	1080p/30, 25, 24; 720p/60, 50; 480p/60, 50	1080p/30, 25, 24; 720p/60, 50; 480p/60, 50	1080p/30, 24; 720p/60, 30	1080p/30, 24; 720p/60, 30, 24
Continuous Recording Time	4GB/clip	Up to 29 min. 59 sec.	4GB/clip	Not specified by manufacturer	Up to 20 min. (highest quality), up to 29 min. 59 sec. (standard quality)	Up to 20 min. (highest quality), up to 29 min. 59 sec. (standard quality)
Video File Size	Not specified by manufacturer	Up to 685MB/min	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer
Interface	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C	USB 2.0, A/V out, HDMI type C	USB 3.0, A/V out, HDMI type C
Video Out	NTSC/PAL	NTSC/PAL	NTSC/PAL	NTSC/PAL	NTSC	NTSC
Audio Out	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer	Not specified by manufacturer
Autofocus System	TTL-CT-SIR AF-dedicated CMOS sensor	TTL secondary image - registration, phase detection	TTL-AREA-SIR AF-dedicated CMOS sensor	TTL-AREA-SIR AF-dedicated CMOS sensor	Nikon Advanced Multi-CAM 3500FX autofocus sensor module with TTL phase detection	Nikon Advanced Multi-CAM 3500FX autofocus sensor module with TTL phase detection
Viewfinder	Eye-level pentaprism	Eye-level pentaprism	Eye-level SLR with fixed pentaprism	Eye-level pentaprism	Eye-level Pentaprism Single-Lens Reflex Viewfinder	Eye-level Pentaprism Single-Lens Reflex Viewfinder
Viewfinder Coverage	Approx. 98%	Approx. 100%	Approx. 100%	Approx. 100%	Approx. 100% (FX-format), Approx. 97% (other formats)	Approx. 100% (FX-format), Approx. 97% (other formats)
Viewfinder Magnification	Approx. 0.71x	Approx. 0.71x	Approx. 0.76x	Approx. 0.76x	Approx. 0.7x	Approx. 0.7x
Viewfinder Eyepoint	21mm	21mm	20mm	20mm	18mm (-1.0m)	19.5mm (-1.0m)
Viewfinder Diopter	-3.0 to +1.0m	-3.0 to +1.0m	-3.0 to +1.0m	-3.0 to +1.0m	-3.0 to +1.0m	-3.0 to +1.0m
LCD Monitor	3.0" TFT-LCD, 920K-dot	3.2" TFT-LCD, 1,040K-dot	3.0" TFT-LCD, 920K-dot	3.2" TFT-LCD, 1,040K-dot	3.2" TFT-LCD, 921K-dot	3.2" TFT-LCD, 921K-dot
LCD Coverage	Approx. 100%	Approx. 100%	Approx. 100%	Approx. 100%	Approx. 100%	Approx. 100%
Shutter Speed Range	30-1/8000, bulb	30-1/8000, bulb	30-1/8000, bulb	30-1/8000, bulb	30-1/8000, bulb	30-1/8000, bulb
ISO Sensitivity	Auto, 100-25600	Auto, 100-25600	Auto, 100-25600	Auto, 100-51200	Auto, 50-204800	Auto, 100-25600

High-Definition Professional HDSLRs Cameras Comparison Chart

	Canon EOS 5D Mark II	Canon EOS 5D Mark III	Canon EOS 1D Mark IV	Canon EOS 1D X	Nikon D4	Nikon D800/E
Exposure Metering Method	35-zone TTL full-aperture metering	Max. aperture TTL metering with 63-zone SPC	63-zone TTL full aperture metering	252-zone metering with approx. 100,000-pixel RGB AE sensor and TTL maximum aperture metering	TTL exposure metering using 91,000-pixel RGB sensor	TTL exposure metering using 91,000-pixel RGB sensor
Exposure Compensation	+/- 5 EV in 1/3 or 1/2 steps	+/- 5 EV in 1/3 or 1/2 steps	+/- 3 EV in 1/3 or 1/2 steps	+/- 5 EV in 1/3 or 1/2 steps	+/- 5 EV in 1/3, 1/2, or 1 steps	+/- 5 EV in 1/3, 1/2, or 1 steps
White Balance	Auto, Daylight, Shade, Cloudy, Tungsten Light, White Fluorescent Light, Flash, Custom, Color Temperature setting	Auto, Daylight, Shade, Cloudy, Tungsten Light, White Fluorescent Light, Flash, Custom, Color Temperature setting	Auto white balance	Auto, Daylight, Shade, Cloudy, Tungsten Light, White Fluorescent Light, Flash, Custom, Color Temperature setting	Auto (2 types), Choose color temperature (2500K–10000K), Cloudy, Direct Sunlight, Flash, Fluorescent (7 types), Incandescent, Preset manual (up to 4 values can be stored), Shade	Auto (2 types), Choose color temperature (2500K–10000K), Cloudy, Direct Sunlight, Flash, Fluorescent (7 types), Incandescent, Preset manual (up to 4 values can be stored), Shade
Built-In Flash	No	No	No	No	No	Yes
Flash Modes	N/A	N/A	N/A	N/A	Auto FP High-Speed Sync supported Front-curtain sync (normal) Rear-curtain sync Red-Eye reduction Red-Eye reduction with slow sync Slow rear-curtain sync Slow sync	Front-curtain sync (normal), Rear-curtain sync, Red-Eye reduction, Red-Eye reduction with slow sync, Slow sync
Flash Range	N/A	N/A	N/A	N/A	N/A	39' / 11.9m at ISO 100
Recycling Time	N/A	N/A	N/A	N/A	N/A	Not specified by manufacturer
Flash Exposure	N/A	N/A	N/A	N/A	-3 to +1 EV in 1/3, 1/2, or 1 steps	-3 to +1 EV in 1/3, 1/2, or 1 steps
Shooting Modes	Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined 1-3	Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined 1-3	Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined 1-3	Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined 1-3	Landscape, Monochrome, Neutral, Portrait, Standard, User-customizable Settings, Vivid	Landscape, Monochrome, Neutral, Portrait, Standard, User-customizable Settings, Vivid
Self Timer	2, 10 sec.	2, 10 sec.	2, 10 sec.	2, 10 sec.	2, 5, 10, 20 sec.	2, 5, 10, 20 sec.
Continuous Shooting	Up to 3.9 fps	Up to 6 fps	Up to 10 fps	Up to 14 fps	Up to 11 fps	Up to 4 fps
Storage Media	CompactFlash	CompactFlash	CompactFlash	CompactFlash (dual slots)	CompactFlash, XQD Type Memory	CompactFlash, SD, SDHC, SDXC
Image File Formats	JPEG, RAW	JPEG, RAW	JPEG, RAW	JPEG, RAW	JPEG, TIFF, RAW	JPEG, TIFF, RAW

High-Definition Professional HDSLRs Cameras Comparison Chart

	Canon EOS 5D Mark II	Canon EOS 5D Mark III	Canon EOS 1D Mark IV	Canon EOS 1D X	Nikon D4	Nikon D800/E
Still Image Sizes	RAW (25.8MB): 5616 x 3744 sRAW 1 (14.8MB): 3861 x 2574 sRAW 2 (10.8MB): 2784 x 1856 Large/Fine (6.1MB): 5616 x 3744 Large/Normal (3MB): 5616 x 3744 Medium/Fine (3.6MB): 4080 x 2720 Medium/Normal (1.9MB): 4080 x 2720 Small/Fine (2.1MB): 2784 x 1856 Small/Normal (1MB): 2784 x 1856	RAW (22.1MP): 5760 x 3840 M-RAW (10.5MP): 3960 x 2640 S-RAW (5.5MP): 2880 x 1920 Large (22.1MP): 5760 x 3840 Medium (9.8MP): 3840 x 2560 S1 (5.5MP): 2880 x 1920 S2 (2.5MP): 1920 x 1280 S3 (0.35MP): 720 x 480	RAW (16MP): 4896 x 3264 M-RAW (9MP): 3672 x 2448 S-RAW (4MP): 2448 x 1632 Large (16MP): 4896 x 3264 Medium 1 (12.4P): 4320 x 2880 Medium 2 (8.4MP): 3552 x 2368 Small (4MP): 2448 x 1632	RAW (17.9MP): 5184 x 3456 M-RAW (10.1MP): 3888 x 2592 S-RAW (4.5MP): 2592 x 1728 Large (17.9MP): 5184 x 3456 M1 (14.2MP): 4608 x 3072 M2: (8MP): 3456 x 2304 Small (4.5MP): 2592 x 1728	[FX-format] L: 4928 × 3280 M: 3696 × 2456 S: 2464 × 1640 [1:2 format (30 x 20)] L: 4096 × 2720 M: 3072 × 2040 S: 2048 × 1360 [5:4 format (30 x 24)] L: 4096 × 3280 M: 3072 × 2456 S: 2048 × 1640 [DX-format] L: 3200 × 2128 M: 2400 × 1592 S: 1600 × 1064	[FX-format] L: 7360 x 4912 M: 5520 x 3680 S: 3680 x 2456 [1:2 format (30 x 20)] L: 6144 x 4080 M: 4608 x 3056 S: 3072 x 2040 [5:4 format (30 x 24)] L: 6144 x 4912 M: 4608 x 3680 S: 3072 x 2456 [DX-format] L: 4800 x 3200 M: 3600 x 2400 S: 2400 x 1600
Display Languages	English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Hungarian, Czech, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Japanese	English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Hungarian, Czech, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Japanese	English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Hungarian, Czech, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Japanese	English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Hungarian, Czech, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Japanese	Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Thai, Turkish, Ukrainian	Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Thai, Turkish, Ukrainian
Power Source	LP-E6 rechargeable lithium-ion battery	LP-E6 rechargeable lithium-ion battery	LP-E4 rechargeable lithium-ion battery	LP-E4 or LP-E4N rechargeable lithium-ion battery	EN-EL18 rechargeable lithium-ion battery	EN-EL15 rechargeable lithium-ion battery
Shooting Capacity	Not specified by manufacturer	Approx. 950 shots (viewfinder), 200 (Live View)	Approx. 1500 shots (viewfinder), 270 (Live View)	Not specified by manufacturer	Approx. 2600 shots	Approx. 900 shots
Operating Temperature	32-104°F / 0-40°C	32-104°F / 0-40°C	32-104°F / 0-40°C	32-104°F / 0-40°C	32-104°F / 0-40°C	32-104°F / 0-40°C
Operating Humidity	85% or less	85% or less	85% or less	85% or less	Not specified by manufacturer	Not specified by manufacturer
Camera Dimensions	6 x 4.5 x 3" / 152 x 113.5 x 75mm	6 x 4.6 x 3" / 152 x 116.4 x 76.4mm	6.1 x 6.2 x 3.1" / 156 x 156.6 x 79.9mm	6.2 x 6.4 x 3.3" / 158 x 163.6 x 82.7mm	6.3 x 6.2 x 3.6" / 160 x 156.5 x 90.5mm	5.7 x 4.8 x 3.2" / 144.8 x 121.9 x 81.3mm
Camera Weight	1.8 lb / 810 g	2.1 lb / 950 g	2.6 lb / 1.2 kg	Not specified by manufacturer	2.6 lb / 1.18 kg	2 lb / 900 g