

## Canon EOS 500D vs Nikon D5000 vs Olympus E-620

	<b>Canon EOS 500D</b>	<b>Nikon D5000</b>	<b>Olympus E-620</b>
<b>Release date</b>	March 2009	April 2009	February 2009
<b>Sensor Size/Type:</b>	22.3 x 14.9 mm/CMOS	23.6 x 15.8mm CMOS	17.3 x 13.0 mm Live MOS
<b>Effective Pixels:</b>	15.1 megapixels	12.3 megapixels	12.3 megapixels
<b>A/D Resolution Power:</b>	14-bit	12-bit	12-bit
<b>Colour Filter:</b>	RGB Primary Colours	RGB Primary Colours	RGB Primary Colours
<b>Field-of-View Crop:</b>	1.6x	1.5x	2.0x
<b>Dust Removal</b>	Yes	Yes	Yes
<b>In-body stabilisation</b>	No	No	Yes
<b>Recording Media:</b>	SD/SDHC; UDMA compatible	SD/SDHC; UDMA compatible	CF Type I, II/xD dual slots; UDMA compatible
<b>Still Image Sizes:</b>	4752 x 3168, 3456 x 2304, 2352 x 1568	4288 x 2848, 3216 x 2136, 2144 x 1424	4032 x 3024, 3200 x 2400, 2560 x 1920, 1600 x 1200, 1280 x 960, 1024 x 768, 640 x 480
<b>Still File Formats:</b>	CR2.RAW, JPEG, RAW+JPEG	NEF.RAW, JPEG, RAW+JPEG	ORF.RAW JPEG, RAW+JPEG
<b>Video recording/sizes:</b>	Yes, HD (1920 x 1080 and 1280 x 720), SD (640 x 480)	Yes, HD (1280 x 720), SD (640 x 480, 320 x 216), 24 fps	No
<b>Video format</b>	MOV (H.264/Linear PCM)	AVI motion JPEG	n.a.
<b>Image Processor(s):</b>	DiGiC 4	EXPEED	TruePic III+
<b>Colour Spaces:</b>	sRGB, Adobe RGB	sRGB, Adobe RGB	sRGB, Adobe RGB
<b>Picture Style/Control settings:</b>	Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Def. 1 - 3	Standard, Neutral, Vivid, Monochrome. Landscape, Portrait, storage for 9 custom settings	Vivid, Natural, Muted, Monotone; 6 Art Filters
<b>Viewfinder:</b>	Eye-level pentamirror; 95% coverage	Eye-level pentamirror; 95% frame coverage	Eye-level TTL Optical with 95% frame coverage
<b>Dioptric Adjustment:</b>	-3 to +1 dpt	-1.7 to +1 dpt	-3.0 to +1.0 dpt
<b>Interchangeable Focusing Screens:</b>	No	No	No
<b>Depth of field preview</b>	Yes	No	No
<b>LCD Monitor:</b>	Fixed 3.0-inch TFT LCD with 902,000 dots (VGA)	Vari-angle 2.7-inch TFT colour LCD, 230,000 pixels	2.7-inch Vari-angle, Hyper Crystal III LCD, 230,000 pixels
<b>Autofocus System:</b>	TTL-AREA-SIR phase detection; contrast-detect in Live View mode	TTL phase detection with Nikon MultiCAM 1000 module; contrast-detect in Live View mode	Phase-detection imager AF; contrast-detect in Live View mode
<b>AF Points:</b>	9 points	11 points	7 points
<b>Focus Modes:</b>	One-Shot AF, AI Servo AF, Manual focusing (MF)	Single-servo, Continuous servo, automated selection of AF-S/AF-C, Focus tracking,, Manual focusing	Single AF, Continuous AF, Manual Focus, S-AF + MF / C-AF + MF; AF tracking with C-AF mode (not in Live View)
<b>AF Assist</b>	Emitted by built-in flash	AF-assist light (range 0.5-3 m)	Emitted by built-in flash
<b>Live View AF modes:</b>	Quick, Live and Live Face Detection AF Modes	Face priority, Wide area, Normal area, AF tracking	MF/S-AF, AF frame display, AF point display
<b>Metering Modes:</b>	35-segment metering; Evaluative, Partial, Spot, Centre-weighted average	TTL full-aperture metering with 1005-pixel RGB sensor 3D Colour matrix Metering II Centre-weighted (8-20mm circle at centre) Spot metering (4mm circle)	49-zone TTL open aperture metering; Digital ESP, centre-weighted and spot metering (with highlight/shadow bias)
<b>Exposure Control:</b>	Auto, Program AE (shiftable), Shutter-priority AE, Aperture-priority AE, Manual, A-DEP	Program AE with flexible program, Shutter-priority auto, Aperture-priority auto, Manual	Auto, Program AE (shiftable), Aperture priority AE, Shutter priority AE, Manual, Scene program AE, Scene select AE
<b>Scene Presets</b>	Portrait, Landscape, Close-up, Sports, Night Portrait, Flash off, Movie	Portrait, Landscape, Child, Sports, Close-up, Night portrait, Night landscape, Party/Indoor, Beach/Snow, Sunset, Dusk/Dawn, Pet portrait, Candlelight, Blossom, Autumn colours, Food, Silhouette, High key, Low key	Portrait, Landscape, Macro, Sport, Night portrait, Children, High key, Low key, DIS mode, Nature Macro, Candle, Sunset, Fireworks, Documents

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<b>ISO Speed Range:</b>	ISO 200-3200; expandable to ISO 100 and ISO 12,800	ISO 200-3200; expandable to 100 (Lo) and 6400 (Hi)	Auto, ISO 100 - 3200, 1/3 or 1 EV steps
<b>Exposure Compensation:</b>	+/- 2 EV in 1/3 or 1/2 EV steps (can be combined with AEB)	+/- 5 EV in f 1/3 or 1/2 EV steps	+/-5 EV in 1/3, 1/2, 1 EV steps
<b>Dynamic Range Adjustment</b>	Auto Lighting Optimiser, 3 levels plus disable	Active D-Lighting, 4 levels	Gradation control, 4 levels
<b>Shutter Speed:</b>	1/4000 to 30 sec. (1/3- and 1/2-stop increments), bulb, X-sync at 1/200 sec.	1/4000 to 30 sec in steps of 1/3 or 1/2 EV plus Bulb; X-synch at 1/200 sec.	60 - 1/4000 seconds; Bulb (up to 309 minutes); X-synch at 1/180 sec.
<b>Self-timer:</b>	10-sec. or 2-sec. delay	2, 5, 10 or 20 sec delay	2 or 12 sec. delay
<b>Remote Control:</b>	RS-60E3	MC-DC2	RM-UC1
<b>Continuous Shooting Speed:</b>	3.4 fps	4 fps	4 fps
<b>Maximum burst:</b>	JPEG (Large): approx. 170; RAW: approx 9; RAW+JPEG: 4 frames	JPEG (Large/Normal): 67; RAW: 11	JPEG (Large): ; RAW: 5
<b>White Balance:</b>	Auto, daylight, shade, cloudy, tungsten, fluorescent, flash, custom	Auto plus 12 presets with fine-tuning, custom	Auto, 8 settings (3000K - 7500K); one-touch custom measurement
<b>WB Compensation:</b>	+/- 9 stops adjustment in blue/amber or magenta/green directions in full-step increments; WB bracketing of +/- 3 steps	bracketing of 3 exposures in increments of 1, 2 or 3	+/- 7 steps in each A-B/G-M axis
<b>Flash GN</b>		17 (m, ISO 200)	GN 17 (m, ISO 200)
<b>Flash Exposure Compensation:</b>	+/- 2EV in 1/3 or 1/2 EV steps	-3 to +1 EV in increments of 1/3 or 1/2 EV	+/- 3 EV in 1/3 EV steps
<b>Retouch Menu</b>	n.a.	D-lighting, Red-eye Correction, Trim, Monochrome, Filter Effects, Colour balance, Small Picture, Image Overlay, NEF (RAW) processing, Quick retouch, Straighten, Distortion control, Fisheye, Colour outline, Perspective control, Stop-motion movie	B&W, Sepia, Red eye reduction, Colour saturation, Resize, Shadow Adjustment Technology, Anti red-eye, raw development to JPEG
<b>Image Playback:</b>	Single, Single + Info (Image-recording quality, shooting information, histogram), 4-image index, 9-image index, image rotate possible; Playback zoom: 1.5x to 10x; jump by 10 or 100 images, jump by screen, by shooting date, by folder, by movie, by stills; highlight alert; histogram; movie playback enabled	Full frame, movie, thumbnail (4, 9 or 72 segments), calendar, zoom (to 27x), slideshow, histogram, shooting data, highlight point display, auto image rotation, image comment (up to 36 characters)	Single-frame, Index (4/9/16/25/49/100 frames), Calendar, Close-up ( 2 – 14x), Slideshow, Rotation, Light box; Histogram (luminance/RGB available), Highlight/Shadow warning, AF frame, Shooting information
<b>Custom Functions:</b>	13 (39 settings in total); My Menu registration provided	48 in total	66 in total
<b>Sound Recording:</b>	Yes (with video)	Yes (with video)	no
<b>GPS Data transfer:</b>	no	Yes (GP-1 unit)	no
<b>Terminals:</b>	USB 2.0 Hi-Speed/ HDMI mini/ Audio/Video OUT/ PC Terminal/ Remote control/ External microphone input	USB 2.0 Hi-speed, HDMI, Video Out (PAL/NTSC), GPS, 10-pin remote	USB 2.0 High Speed; Dedicated multi-connector (Video: NTSC/PAL selectable); IR remote
<b>Battery:</b>	LP-E5 battery pack (approx 400 shots/charge; 170 with Live View))	EN-EL9 a (up to 510 frames/charge)	BLS-1
<b>Dimensions:</b>	128.8 x 97.5 x 61.9 mm	127 x 104 x 80mm	130 x 94 x 60 mm
<b>Weight:</b>	480 grams (body only)	Approx. 560 grams (body only)	475 grams (body only)
<b>RRP (body only):</b>	\$1499	\$1499	\$1,299