



Canon EOS 550D
Specification Sheet

IMAGE SENSOR

Type	22.3 x 14.9mm CMOS
Effective Pixels	Approx. 18.0 megapixels
Total Pixels	Approx. 18.7 megapixels
Aspect Ratio	3:2
Low-Pass Filter	Built-in/Fixed with Self Cleaning Sensor Unit
Sensor Cleaning	EOS integrated cleaning system
Colour Filter Type	Primary Colour

IMAGE PROCESSOR

Type	DIGIC 4
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LENS

Lens Mount	EF/EF-S
Focal Length	Equivalent to 1.6x the focal length of the lens

FOCUSING

Type	TTL-CT-SIR AF-dedicated with a CMOS sensor
AF System/ Points	9 AF points (f/5.6 cross type at centre, extra sensitivity at f/2.8)
AF working range	EV -0.5 -18 (at 23°C & ISO100)
AF Modes	AI Focus One Shot AI Servo
AF Point Selection	Automatic selection, Manual selection
Selected AF point display	Superimposed in viewfinder and indicated on LCD monitor
Predictive AF ¹	Yes, up to 10m
AF Lock	Locked when shutter button is pressed half way in One Shot AF mode.
AF Assist Beam	Intermittent firing of built-in flash or emitted by optional dedicated Speedlite
Manual Focus	Selected on lens

EXPOSURE CONTROL

Metering modes	TTL full aperture metering with 63-zone SPC (1) Evaluative metering (linked to all AF points) (2) Partial metering at center (approx. 9% of viewfinder) (3) Spot metering (approx. 4% of viewfinder at center) (4) Center weighted average metering
Metering Range	EV 1-20 (at 23°C with 50mm f/1.4 lens ISO100)
AE Lock	Auto: In 1-shot AF mode with evaluative metering exposure is locked when focus is achieved. Manual: By AE lock button in creative zone modes.
Exposure Compensation	+/-5 EV in 1/3 or 1/2 stop increments (can be combined with AEB).
AEB	3 shots +/- 2 EV, 1/2 or 1/3-stop increments
ISO Sensitivity ²	AUTO(100-6400), 100-6400 Expandable to H (approx 12800) in 1-stop increments

SHUTTER

Type	Electronically-controlled focal-plane shutter
Speed	30-1/4000 sec (1/2 or 1/3 stop increments), Bulb (Total shutter speed range. Available range varies by shooting mode)

WHITE BALANCE

Type	Auto white balance with the imaging sensor
Settings	AWB, Daylight, Shade, Cloudy, Tungsten, White Fluorescent light, Flash, Custom White balance compensation: 1. Blue/Amber +/-9 2. Magenta/ Green +/-9
Custom White Balance	Yes, 1 setting can be registered
WB Bracketing	+/-3 levels in single level increments 3 bracketed images per shutter release Selectable Blue/Amber bias or Magenta/ Green bias

VIEWFINDER		
	Type	Pentamirror
	Coverage (Vertical/Horizontal)	Approx. 95%
	Magnification	Approx. 0.87x
	Eyepoint	Approx. 19mm (from eyepiece lens centre)
	Dioptre Correction	-3 to +1 m-1 (dioptre)
	Focusing Screen	Fixed
	Mirror	Quick-return half mirror (Transmission: reflection ratio of 40:60, no mirror cut-off with EF600mm f/4 or shorter)
	Viewfinder Information	AF information: AF points, focus confirmation light Exposure information: Shutter speed, aperture value, ISO speed (always displayed), AE lock, exposure level/compensation, spot metering circle, exposure warning, AEB Flash information: Flash ready, high-speed sync, FE lock, flash exposure compensation, red-eye reduction light Image information: White balance correction, SD card information, monochrome shooting, maximum burst (1 digit display), Highlight tone priority (D+)
	Depth of field preview	Yes, with Depth of Field preview button
	Eyepiece shutter	On strap
LCD MONITOR		
	Type	7.7cm (3.0") 3:2 Clear View TFT, approx. 1040K dots
	Coverage	Approx. 100%
	Viewing Angle (horizontally/vertically)	Approx 160°
	Coating	Dual Anti-reflection, anti smudge
	Brightness Adjustment	Adjustable to one of seven levels
	Display Options	(1) Quick Control Screen (2) Camera settings
FLASH		
	Built-in Flash GN (ISO 100, meters)	13
	Built-in Flash Coverage	up to 17mm focal length (35mm equivalent: 27mm)
	Built-in Flash recycle time	Approx. 3 seconds
	Modes	Auto, Manual Flash On/off
	Red-Eye Reduction	Yes - with red eye reduction lamp
	X-sync	1/200sec
	Flash Exposure Compensation	+/- 2EV in 1/2 or 1/3 increments
	Flash Exposure Bracketing	Yes, with compatible External Flash
	Flash Exposure Lock	Yes
	Second Curtain Synchronisation	Yes
	HotShoe/ PC terminal	Yes/ -
	External Flash Compatibility	E-TTL II with EX series Speedlites, wireless multi-flash support
	External Flash Control	via camera menu screen
SHOOTING		
	Modes	Auto, Portrait, Landscape, Close-up, Sports, Night Portrait, No Flash, Movie, Program AE, Shutter priority AE, Aperture priority AE, Manual, A-DEP
	Picture Styles	Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined (x3)
	Colour Space	sRGB and Adobe RGB
	Image Processing	Highlight Tone Priority Auto Lighting Optimizer (Basic and Creative modes) Long exposure noise reduction High ISO speed noise reduction Peripheral illumination correction
	Drive modes	Single, Continuous, Self timer (2s, 10s+remote, 10s + continuous shots 2-10)
	Continuous Shooting	Max. Approx. 3.7fps. (speed maintained for minimum of approx 34 images (JPEG) ³ , 6 images (RAW) ⁴)

LIVE VIEW MODE		
	Type	Electronic viewfinder with image sensor
	Coverage	Approx. 100% (horizontally and vertically)
	Frame Rate	30 fps
	Focusing	Manual Focus (Magnify the image 5x or 10x at any point on screen) Autofocus: Quick mode, Live mode
	Metering	Real-time evaluative metering with image sensor Active metering time can be changed
	Display Options	Grid overlay, Histogram
FILE TYPE		
	Still Image Type	JPEG: Fine, Normal (Exif 2.21 [Exif Print] compliant) / Design rule for Camera File system (2.0), RAW: RAW (14bit, Canon original RAW 2nd edition), Digital Print Order Format [DPOF] Version 1.1 compliant
	RAW+JPEG simultaneous recording	Yes (RAW + Large JPEG only)
	Image Size	JPEG: (L) 5184x3456 (M) 3456x2304, (S) 2592x1728 RAW: (RAW) 5184x3456
	Movie Type	MOV (Video: H.264, Sound: Linear PCM)
	Movie Size	1920 x 1080 (29.97, 25, 23.976 fps) 1280 x 720 (59.94, 50 fps) 640 x 480 (59.94, 50 fps)
	Movie Length	Max duration 29m 59sec, Max file size 4GB
	Sound Files	(1) Consecutive numbering (2) Auto reset (3) Manual reset
OTHER FEATURES		
	Custom Functions	12 Custom Functions with 36 settings
	Metadata Tag	User copyright information (can be set in camera)
	LCD Panel / Illumination	Yes
	Playback zoom	1.5x - 10x enabled in 15steps
	Display Formats	(1) Single image with information (2 levels) (2) Single image (3) 4 image index (4) 9 image index (5) Jump Display
	Slide Show	Image selection: All images, by Date, by Folder, Movies, Stills Playback time: 1/2/3/5 seconds Repeat: On/Off
	Histogram	Brightness: Yes RGB: Yes
	Highlight Alert	Yes (Shooting information display only)
	Image Erase/Protection	Erase: Single image, Checkmarked images, Unprotected images Protection: Erase protection of one image at a time
	Data Verification	Original image verification data can be appended to the image (OSK-E3 required for verification)
	Menu Categories	(1) Shooting menu (x4) (2) Playback menu (x2) (3) Setup menu (x3) (4) My Menu
	Menu Languages	25 Languages English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukrainian, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean and Japanese
	Firmware Update	Update possible by the user
INTERFACE		
	Computer	Hi-Speed USB
	Other	Video output (PAL/ NTSC) (integrated with USB terminal), HDMI mini output (HDMI-CEC compatible), External microphone (3.5mm Stereo mini jack)
DIRECT PRINT		
	Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
	PictBridge	Yes
STORAGE		
	Type	SD card, SDHC card or SDXC card

SUPPORTED OPERATING SYSTEM		
	PC & Macintosh	Windows XP (SP2/SP3) / Vista inc SP1 (excl. Starter Edition) / 7 (excl. Starter Edition) OS X v10.4-10.6
SOFTWARE		
	Browsing & Printing Image Processing Other	ZoomBrowser EX / ImageBrowser Digital Photo Professional PhotoStitch, EOS Utility (inc. Remote Capture, Original Data Security Tools*), Picture Style Editor * Requires optional accessory
POWER SOURCE		
	Batteries Battery life Battery Indicator Power saving Power Supply & Battery Chargers	1 x Rechargeable Li-ion Battery LP-E8 Approx. 440 (at 23°C, AE 50%, FE 50%) ⁵ Approx. 400 (at 0°C, AE 50%, FE 50%) 4 levels Power turns off after 30sec or 1, 2, 4, 8 or 15mins AC Adapter Kit ACK-E8, Battery charger LC-E8, LC-E8E
PHYSICAL SPECIFICATIONS		
	Body Materials Operating Environment Dimensions (WxHxD) Weight (body only)	Stainless Steel and polycarbonate resin with glass fiber 0 – 40 °C, 85% or less humidity 128.8 x 97.3 x 62 mm Approx. 530g (CIPA testing standard, including battery and memory card)
ACCESSORIES		
	Viewfinder Case Wireless File Transmitter Flash Battery Grip Remote Controller/ Switch Other	Eyecup Ef, E-series Dioptic Adjustment Lens with Rubber Frame Ef, Eyepiece Extender EP-EX15II, Angle Finder C Semi-Hard Case EH19-L All EF and EF-S lenses Canon Speedlites (220EX, 270EX, 380EX, 420EX, 430EX, 430EX II, 550EX, 580EX, 580EX II, Macro-Ring-Lite, MR-14EX, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2) BG-E8 Remote Switch RS-60E3, Remote Controller RC-6 Original Data Security Kit OSK-E3

All data is based on Canon standard testing methods except where indicated.
Subject to change without notice.

¹ With EF300mm f/2.8L IS USM at 50kph

² Recommended Exposure Index

³ Large/Fine (Quality 8) resolution

⁴ Based on Canon's testing conditions, JPEG, ISO 100, Standard Picture Style.

Varies depending on the subject, memory card brand and capacity, image recording quality, ISO speed, drive mode, Picture Style, Custom functions etc.

⁵ Based on the CIPA Standard and using the batteries and memory card format supplied with the camera, except where indicated