

IMAGE SENSOR

	Type	22.3 x 14.9mm CMOS
	Effective Pixels	Approx. 18.0 megapixels
	Total Pixels	Approx. 18.5 megapixels
	Aspect Ratio	3:2
	Low-Pass Filter	Built-in/Fixed
	Sensor Cleaning	EOS integrated cleaning system
	Colour Filter Type	Primary Colour

IMAGE PROCESSOR

	Type	DIGIC 5
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LENS

	Lens Mount	EF-M (EF and EF-S lenses compatible via Mount adapter EF-EOS M)
	Focal Length	Equivalent to 1.6x the focal length of the lens

FOCUSING

	Type	Hybrid CMOS AF System. Phase detection pixels built onto imaging sensor
	AF System/Points	31 AF points (Maximum)
	AF working range	EV 1-18 (at 23°C & ISO 100)
	AF Modes	One-Shot AF and Servo AF
	AF Point Selection	Automatic selection (Face detection and Tracking AF, FlexiZone-Multi, FlexiZone-Single), Manual selection
	Selected AF point display	Indicated on LCD monitor
	AF Lock	Locked when shutter button is pressed half way
	AF Assist Beam	Yes LED
	Manual Focus	Select on camera menu AF (Auto), MF (Manual), or AF+MF (Manual focus after One-Shot)

EXPOSURE CONTROL

	Metering modes	Real-time metering from the image sensor Evaluative metering Partial metering at centre Spot metering Centre weighted average metering
	Metering Range	EV 1-20 (at 23°C with EF-M 22mm f/2 STM ISO100)
	AE Lock	Auto: In One-shot AF mode with evaluative metering exposure is locked when focus is achieved Manual: By AE lock button in creative zone modes
	Exposure Compensation	+/-3 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 ⁽¹⁾	AUTO(100-6400), 100-12800 in 1-stop increments ISO can be expandable to H: 25600)

SHUTTER

	Type	Electronic first curtain and mechanical second curtain 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

LCD MONITOR		
	Type Coverage Viewing Angle (horizontally/vertically) Coating Brightness Adjustment Display Options	Touch screen 7.7cm (3.0") 3:2 Clear View LCD II, approx. 1040K dots Approx. 100% Approx. 170° Anti smudge Adjustable to one of seven levels Quick Control Screen Liveview image no information Liveview image full info Liveview image basic info
FLASH		
	Built-in Flash GN (ISO 100, meters) X-sync Flash Exposure Compensation Flash Exposure Bracketing Flash Exposure Lock Second Curtain Synchronisation HotShoe/ PC terminal External Flash Compatibility External Flash Control	None 1/200sec +/- 2EV in 1/2 or 1/3 increments Yes, with compatible External Flash Yes Yes Yes/ No E-TTL II with EX series Speedlites, wireless multi-flash support Via camera menu screen
SHOOTING		
	Modes Picture Styles Colour Space Image Processing Drive modes Continuous Shooting	Scene Intelligent Auto mode Still mode (Creative Auto, Portrait, Landscape, Close-up, Sports, Night Portrait, Handheld Night Scene, HDR Backlight Control, Program AE, Shutter priority AE, Aperture priority AE, Manual) Movie mode (Auto exposure mode, Manual exposure mode) Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined (x3) sRGB and Adobe RGB Highlight Tone Priority Auto Lighting Optimizer (4 settings) Long exposure noise reduction High ISO speed noise reduction (4 settings) Multi Shot Noise Reduction Auto Correction of Lens Peripheral illumination and Chromatic aberration Basic+ (Shoot by ambience selection, Shoot by lighting or scene type) Creative filters (Art Bold, Water painting, Grainy B/W, Soft focus, Toy camera, Miniature effect, Fish-eye) Single, Continuous, Self timer (2s, 10s+remote, 10s + continuous shots 2-10) Max. Approx. 4.3fps for approx. 17 JPEG images ⁽²⁾ , 6 images RAW ^{(3) (4)}
FILE TYPE		
	Still Image Type RAW+JPEG simultaneous recording	JPEG: Fine, Normal (Exif 2.30 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 Yes, RAW + Large JPEG

	Image Size Movie Type Movie Size Movie Length Folders File Numbering	JPEG 3:2: (L) 5184x3456, (M) 3456x2304, (S1) 2592x1728, (S2) 1920x1280, (S3) 720x480 JPEG 4:3: (L) 4608x3456, (M) 3072x2304, (S1) 2304x1728, (S2) 1696x1280, (S3) 640x480 JPEG 16:9: (L) 5184x2912, (M) 3456x1944, (S1) 2592x1456 (S2) 1920x1080, (S3) 720x400 JPEG 1:1: (L) 3456x3456, (M) 2304x2304, (S1) 1728x1728, (S2) 1280x1280, (S3) 480x480 RAW: (RAW) 5184x3456 MOV (Video: H.264, Sound: Linear PCM, recording level can be manually adjusted by user) 1920 x 1080 (29.97, 25, 23.976 fps) 1280 x 720 (59.94, 50 fps) 640 x 480 (30, 25 fps) Max duration 29min 59sec, Max file size 4GB New folders can be manually created and selected Consecutive numbering Auto reset Manual reset
OTHER FEATURES		
	Custom Functions Metadata Tag Intelligent Orientation Sensor Playback zoom Display Formats Slide Show Histogram Highlight Alert Image Erase/Protection Menu Categories	7 Custom Functions with 19 settings User copyright information (can be set in camera) Image rating (0-5 stars) Yes 1.5x - 10x enabled in 15 steps Single image Single image with information (3 levels) 4 image index 9 image index Jump Display Image selection: All images, by Date, by Folder, Movies, Stills or by Rating Playback time: 1/2/3/5/10/20 seconds Repeat: On/Off Transition Effects: Off, Slide (2 types), Fade (3 types) Background Music: Off, On Brightness: Yes RGB: Yes Yes Erase: Single image, All images in folder, Checkmarked images, unprotected images Protection: Erase protection of one image at a time Shooting menu (x5) Playback menu (x2) Setup menu (x4) 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, SDHC or SDXC (UHS-I) card
SUPPORTED OPERATING SYSTEM		
	PC & Macintosh	Windows XP inc SP3 / Vista inc SP1 and SP2 (excl. Starter Edition) / 7 (excl. Starter Edition) OS X v10.6-10.7 (Intel processor required)
SOFTWARE		
	Browsing & Printing	ImageBrowser EX
	Image Processing	Digital Photo Professional
	Other	PhotoStitch, EOS Utility (inc. Remote Capture), Picture Style Editor
POWER SOURCE		
	Batteries	1 x Rechargeable Li-ion Battery LP-E12
	Battery life	Approx. 230 (at 23°C, AE 50%, FE 50%) ⁽⁵⁾ Approx. 200 (at 0°C, AE 50%, FE 50%)
	Battery Indicator	4 levels
	Power saving	LCD monitor turns off after 15 sec, 30sec or 1, 3, 5, 10 or 30mins. Power turns off after 0, 30sec or 1, 3, 5, 10mins and disabled
	Power Supply & Battery Chargers	AC Adapter Kit ACK-E12, Battery charger LC-E12
PHYSICAL SPECIFICATIONS		
	Body Materials	Stainless Steel, magnesium alloy, polycarbonate resin with glass fibre
	Operating Environment	0 - 40 °C, 85% or less humidity
	Dimensions (WxHxD)	108.6 x 66.5 x 32.3 mm
	Weight (body only)	Approx. 298g (CIPA testing standard, including battery and memory card)
ACCESSORIES		
	Case	EH23-CJ
	Wireless File Transmitter	Compatible with Eye-Fi cards
	Lenses	EF-M (EF and EF-S lenses compatible via Mount adapter EF-EOS M)
	Flash	Canon Speedlites (90EX, 220EX, 270EX, 270EX II, 320EX, 420EX, 430EX, 430EX II, 550EX, 580EX, 580EX II, 600EX, 600EX-RT, Macro-Ring-Lite, MR-14EX, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2, Speedlite Transmitter ST-E3-RT)
	Remote Controller/ Switch	Remote Controller RC-6
	Other	GP-E2

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

[1] Recommended Exposure Index

[2] Large/Fine(Quality 8) resolution

[3] 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.

[4] Maximum fps and buffer capacity may be reduced depending on the cameras settings and light level

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