

DIGITAL CAMERA		EOS 5DS R
<b>IMAGE SENSOR</b>		
Type	Effective Pixels	36 x 24 mm CMOS
Total Pixels	Aspect Ratio	Approx. 50.6 megapixels
Low-Pass Filter	Sensor Cleaning	Approx. 53 megapixels
Colour Filter Type		3:2
		Low pass filter effects disabled
		EOS integrated cleaning system
		Primary Colour
<b>IMAGE PROCESSOR</b>		
	Type	Dual "DIGIC 6"
<b>LENS</b>		
	Lens Mount	EF (excludes EF-S lenses)
	Focal Length	Equivalent to 1.0x the focal length of the lens
<b>FOCUSING</b>		
Type	AF System/ Points	TTL-CT-SIR with a dedicated CMOS sensor
AF working range	AF Modes	61 Point / 41 f/4 cross-type AF points inc 5 dual cross type at f/2.8 and 1 cross-type at f/8 (11)
AF Point Selection		The number of cross-type AF points will differ depending on the lens.
		EV -2 - 18 (at 20°C & ISO100)
		AI Focus
		One Shot
		Predictive AI Servo
		Automatic selection: 61 point AF
		Manual selection: Single point AF (selectable points 61, 15, 9 or cross type only points selectable)
		Manual selection: Spot AF
		Manual selection: AF point Expansion (4 points up, down, left, right or 8 surrounding 8 points)
		Manual selection: AF point Expansion surrounding 8 points
		Manual selection: Zone AF
		Manual selection: Large Zone AF
		AF points can be selected separately for vertical and horizontal shooting
	Selected AF point display	Superimposed in viewfinder and indicated on top LCD panel and Quick Control screen
	AF Lock	Locked when shutter button is pressed half way or AF ON is pressed in One Shot AF mode
	AF Assist Beam	Emitted by an optional dedicated Speedlite
	Manual Focus	Selected on lens, default in Live View Mode
	AF Microadjustment	Manual: Enter adjustment +/- 20 steps
		Adjust all lenses by same amount
		Adjust up to 40 lenses individually
		Adjustments remembered for lens by serial number
<b>EXPOSURE CONTROL</b>		
Metering modes	Metering Range	150,000-pixel RGB+IR metering sensor
	AE Lock	EOS iSA System with 252-zone metering:
		(1) Evaluative metering (linked to All AF point)
		(2) Partial metering (approx. 6.1% of viewfinder at centre)
		(3) Spot metering (approx. 1.3% viewfinder at centre)
		* AF point-linked spot metering not provided
		(4) Centre weighted average metering
		EV 0 - 20 (at 23°C with 50mm f/1.4 lens ISO100)
		Auto: Operates in 1-shot AF mode with evaluative metering when focus is achieved
		Manual: By AE lock button in all exposure modes
	Exposure Compensation	+/-5 EV in 1/3 or 1/2 stop increments (can be combined with AEB).
	AEB	2, 3, 5 or 7 Shots +/-3 EV 1/3 or 1/2 stop increments
	ISO Sensitivity (8)	100-6400 (in 1/3-stop or whole stop increments)
		ISO can be expanded to L:50 or H1: 12800
<b>SHUTTER</b>		
Type	Speed	Electronically-controlled focal-plane shutter
		30-1/8000 sec (1/2 or 1/3 stop increments), Bulb (Total shutter speed range. Available range varies by shooting mode)
	Shutter Release	Soft touch electromagnetic release

WHITE BALANCE		
	Type Settings	Auto white balance with the imaging sensor AWB (Ambeince priority/White priority), Daylight, Shade, Cloudy, Tungsten, White Fluorescent light, Flash, Custom, Colour Temperature Setting. White balance compensation: 1. Blue/Amber +/-9 2. Magenta/ Green +/-9.
	Custom White Balance WB Bracketing	Yes, 1 setting can be registered +/-3 levels in single level increments 3, 2, 5 or 7 bracketed images per shutter release. Selectable Blue/Amber bias or Magenta/ Green bias.
VIEWFINDER		
	Type Coverage (Vertical/Horizontal) Magnification Eyepoint Dioptre Correction Focusing Screen Mirror Viewfinder Information Depth of field preview Eyepiece shutter	Pentaprism Approx. 100% Approx. .71x(4) Approx. 21mm (from eyepiece lens centre) -3 to +1 m <sup>-1</sup> (dioptre) Fixed Quick-return half mirror (Transmission: reflection ratio of 40:60, no mirror cut-off with EF600mm f/4 or shorter) AF information: Single/Spot AF points, AF Frame, AF status, Focus indicator, AF mode, AF point selection, AF point registration Exposure information: Shutter speed, aperture value, ISO speed (always displayed), AE lock, exposure level/compensation, flash metering, spot metering circle, exposure warning, AEB, metering mode, shooting mode Flash information: Flash ready, high-speed sync, FE lock, flash exposure compensation, red-eye reduction light. Image information: Card information, maximum burst (2 digit display), Highlight tone priority (D+). Composition information: Crop area, Aspect ratio, Grid, Electronic level Other information: Battery check, Warning symbol, Flicker Detection, drive mode, white balance, JPEG/RAW indicator Yes, with Depth of Field preview button. None (eyepiece cover attached to strap)
LCD MONITOR		
	Type Coverage Viewing Angle (horizontally/vertically) Coating Brightness Adjustment Display Options	8.11cm (3.2") Clear View II TFT, approx. 1040K dots Approx. 100% Approx 170° Anti-reflection and Solid Structure Auto: Using extenal ambient light sensor Manual: Adjustable to one of seven levels (1) Quick Control Screen (2) Camera settings (3) Dual Axis Electronic Level (4) Custom Quick control screen
FLASH		
	Modes X-sync Flash Exposure Compensation Flash Exposure Bracketing Flash Exposure Lock Second Curtain Synchronisation HotShoe/ PC terminal External Flash Compatibility External Flash Control	E-TTL II Auto Flash, Metered Manual 1/200sec +/- 3EV in 1/3 increments with EX series Speedlites Yes, with compatible External Flash Yes Yes Yes/ Yes E-TTL II with EX series Speedlites, wireless multi-flash support via camera menu screen

SHOOTING		
	Modes	Scene Intelligent Auto, Program AE, Shutter priority AE, Aperture priority AE, Manual (Stills and Movie), Bulb, Custom (x3)
	Picture Styles	Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, Fine Detail, User Defined (x3)
	Colour Space	sRGB and Adobe RGB
	Image Processing	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 Chromatic aberration correction Resize to M, S1, S2 or S3 RAW image processing - during image Playback only Image cropping - during image Playback only Multiple exposure HDR images 5 presets
	Drive modes	Single, Continuous L, Continuous H, Self timer (2s+remote, 10s+remote), Silent single shooting, Silent continuous shooting
	Continuous Shooting	Max. Approx. 5fps. (speed maintained for up to 510 number of JPEGs or 14 RAW images) (1) (2) (10) with UDMA mode 7 card.
	Intervalometer	Built-in, number of shots selectable from 1-99 or unlimited. Bulb timer possible
LIVE VIEW MODE		
	Type	Electronic viewfinder with image sensor
	Coverage	Approx. 100% (horizontally and vertically)
	Frame Rate	29.97 fps
	Focusing	Manual Focus (Magnify the image 6x or 16x at any point on screen) Autofocus: Quick mode, Live mode, Live Face detection mode
	Metering	Real-time evaluative metering with image sensor Active metering time can be changed
	Display Options	Grid overlay (x3), Histogram
FILE TYPE		
	Still Image Type	JPEG: 2 compression options (Exif 2.3 compliant) / Design rule for Camera File system (2.0), RAW: RAW, M-RAW, S-RAW (14bit, Canon original RAW 2nd edition), Digital Print Order Format [DPOF] Version 1.1 compliant
	RAW+JPEG simultaneous recording	Yes, any combination of RAW + JPEG possible, separate formats to separate cards possible
	Image Size	JPEG: Full Frame - (L) 8688x5792, (M1) 7680x5120, (M2) 5760x3840, (S1) 4320x2880, (S2) 1920x1280, (S3) 720x480 1.3x Crop - (L) 6768x4512, (M1) 6016x4000, (M2) 4512x3008, (S1) 3376x2256, (S2) 1920x1280, (S3) 720x480 1.6x Crop - (L) 5424x3616, (M1) 4800x3200, (M2) 3616x2408, (S1) 2704x1808, (S2) 1920x1280, (S3) 720x480 1:1 Crop - (L) 5792x5792, (M1) 5120x5120, (M2) 3840x3840, (S1) 2880x2880, (S2) 1280x1280, (S3) 480x480 RAW: (RAW) 8688x5792, (M-RAW) 6480x4320, (S-RAW) 4320x2880
	Movie Type	MOV (Video: MPEG-4 AVC/H.264, Sound: Linear PCM)
	Movie Size	1920 x 1080 (29.97, 25, 23.976 fps) intra or interframe 1280 x 720 (59.94, 50 fps) intra or interframe 640 x 480 (29.97, 25 fps) interframe only
	Movie Length	Max duration 29min 59sec, Max single file size 4GB
	File Numbering	(1) Consecutive numbering (2) Auto reset (3) Manual reset

OTHER FEATURES		
	Custom Functions Metadata Tag LCD Panel / Illumination Water/ Dust resistance Sound Memo Intelligent Orientation Sensor Playback zoom Display Formats  Slide Show  Histogram Highlight Alert Image Erase Protection Image Erase Self Timer Menu Categories  Menu Languages  Firmware Update	16 Custom Functions Author, copyright, GPS (with GP-E2), Rating Yes / Yes Yes No Yes 1x - 16x (1) Single image (2) Single image with information (2 levels) (3) Two image Display image (4) 4 image index (5) 9 image index (6) 36 image index (7) 100image index (8) Jump Display (9) Movie edit (10) RAW processing (11) Ratina Image selection: All images, by Date, by Folder, Movies, Stills, Rating, Protect images Playback time: 1/2/3/5/10 or 20 seconds Repeat: On/Off  Brightness: Yes RGB: Yes Yes Erase protection of one image at a time, folder or card Single image, selected, folder, card or all unprotected 2 or 10 sec. (1) Shooting menu 1 - 6 (2) AF Menu 1 - 5 (3) Playback menu 1 - 3 (4) Setup menu 1 - 4 (5) Custom Functions menu 1 - 4 (6) My Menu (1 - 5 user selectable)  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  Update possible by the user.
INTERFACE		
	Computer Other	USB 3.0 Hi-Speed (PTP) HDMI Type C, External microphone (Stereo mini jack)
DIRECT PRINT		
	Canon Printers PictBridge	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge Yes
STORAGE		
	Type	CompactFlash Type I (UDMA 7 compatible), SD card, SDHC card or SDXC card. High-speed writing with UHS-I type SD cards is supported
SUPPORTED OPERATING SYSTEM		
	PC & Macintosh	Windows 7 (excl. Starter Edition), Windows 8 and Windows 8.1 OS X v10.7-10.10
SOFTWARE		
	Browsing & Printing Image Processing Other	Digital Photo Professional 4 (RAW Image Processing) PhotoStitch, EOS Utility 3 (inc. Remote Capture, WFT utility*), Picture Style Editor * Requires optional accessory
POWER SOURCE		
	Batteries Battery life  Battery Indicator Power saving Power Supply & Battery Chargers	Rechargeable Li-ion Battery LP-E6N (supplied) / LP-E6 Approx. 700 shots (at 23°C) (5) Approx. 660 (at 0°C) Automatic displayed in 6 levels Power turns off after 1, 2, 4, 8, 15 or 30mins. AC Adapter Kit ACK-E6, Battery charger LC-E6, Car Battery charger CBC-E6

PHYSICAL SPECIFICATIONS		
	Body Materials	Magnesium Alloy body covers
	Operating Environment	0 – 40 °C, 85% or less humidity
	Dimensions (WxHxD)	152 x 116.4 x 76.4mm
	Weight (body only)	Approx. 845 g
ACCESSORIES		
	Case	N/A
	Wireless File Transmitter	Wireless File Transmitter WFT-E7 version 2 Wireless File Transmitter WFT-E7 requires a firmware update and Interface Cable IFC-40AB II or IFC-150AB II Compatible with Eye-Fi cards
	Lenses	All EF lenses (excluding EF-S lenses)
	Flash	Canon Speedlites (90EX, 220EX, 270EX, 270EX II, 320EX, 380EX, 420EX, 430EX, 430EX II, 550EX, 580EX, 580EX II, 600EX, 600EX-RT, Macro-Ring-Lite MR-14EX, Macro Ring Lite MR-14EX II, Macro Twin Lite MT-24EX, Speedlite Transmitter ST-E2, Speedlite Transmitter ST-E3-RT)
	Battery Grip	BG-E11
	Remote Controller/ Switch	Remote control with N3 type contact, Wireless Controller LC-5, Remote Controller RC-6 and Speedlite 600EX-RT
	Other	GPS GP-E2, Eyecup Eb, Eg-series Dioptic Adjustment Lens with Rubber Frame Eg, Anti Fog Eyepiece Eg, Angle Finder C, Hand Strap E2, Connect Station CS100
<p><b>All data is based on Canon standard testing methods except where indicated.</b>  <b>Subject to change without notice.</b></p> <p><b>1 Large/Fine(Quality 8) resolution</b>  <b>2 Based on Canon's testing conditions, JPEG, ISO 100, Standard Picture Style. Maximum fps and buffer capacity may be reduced depending on the cameras settings, light level, subject, memory card brand and capacity, image recording quality, ISO speed, drive mode, Picture Style, Custom functions etc.</b>  <b>4 with 50mm lens at infinity, -1m<sup>-1</sup> dpt</b>  <b>5 Based on the CIPA Standard and using the battery supplied with the camera, except where indicated</b></p> <p><b>8 Recommended Exposure Index</b>  <b>10 Figures quoted are when used with UDMA7 class cards</b>  <b>11 The number of cross-type AF points depends on the lens used</b></p>		