IXUS 190	
IMAGE SENSOR	
Type	1/2.3 type CCD
Effective Pixels	Approx. 20.0M [14]
Effective / Total Pixels	Approx. 20.5M
IMAGE PROCESSOR	
Type	DIGIC 4+
LENS	
Focal Length	4.3 – 43.0 mm (35 mm equivalent: 24 – 240 mm)
Zoom	Optical 10x ZoomPlus 20x Digital approx. 4x Combined approx. 40x [1]
Maximum f/number	f/3.0 – f/6.9
Construction	9 elements in 7 groups (1 double-sided aspherical lens)
Image Stabilisation	Yes (lens shift-type), approx. 2.5-stop [13]. Intelligent IS plus Enhanced Dynamic IS
FOCUSING	
Type	TTL
AF System/ Points	AiAF (Face Detection / 9-point), 1-point AF (fixed to centre)
AF Modes	Single, Continuous, Servo AF/AE, Tracking AF [6]
AF Assist Beam	Yes
Closest Focusing Distance	1 cm (W) from front of lens in Macro
EXPOSURE CONTROL	
Metering modes	Evaluative (linked to Face Detection AF frame), Centre-weighted average, Spot (centre)
Exposure Compensation	+/- 2 EV in 1/3 stop increments i-Contrast for automatic dynamic range correction
ISO sensitivity	AUTO, 100, 200, 400, 800, 1600 AUTO ISO: 100 - 800
SHUTTER	
Speed	1 – 1/2000 s (Auto Mode) 15 – 1/2000 s (total range – varies by shooting mode)
WHITE BALANCE	
Type	TTL
Settings	Auto (including Face Detection WB), Daylight, Cloudy, Light bulb, Fluorescent, Fluorescent H, Custom
LCD MONITOR	
Monitor	6.8 cm (2.7") LCD (TFT), approx. 230,000 dots
Coverage	Approx. 100%
Brightness	Adjustable to one of five levels. Quick-bright LCD available via holding INFO Button
FLASH	
Modes	Auto, Manual Flash On / Off, Slow Synchro
Slow Sync Speed	Yes. Fastest speed 1/2000 s
Red-Eye Reduction	Yes
Flash Exposure Compensation	Face Detection FE
Built-in Flash Range	50 cm – 4.0 m (W) / 1.0 – 2.0 m (T)
External Flash	Canon High Power Flash HF-DC2
SHOOTING	
Modes	Smart Auto (32 scenes detected), P, Portrait, FaceSelf-Timer, Low Light (5.0 MP), Fish-eye Effect, Miniature Effect, Toy Camera Effect, Monochrome, Super Vivid, Poster Effect, Fireworks, Long Shutter Easy Auto activated by default
Drive modes	Single, Continuous, Self-Timer
Continuous Shooting	Approx. 0.8 shots/s Low Light Mode (5.0 MP): Approx. 2.2 shots/s (all speeds are until memory card becomes full) [3] [4]
RECORDING PIXELS / COMPRESSION	
Image Size	4:3 - (L) 5152 x 3864, (M1) 3648 x 2736, (M2) 2048 x 1536, (S) 640 x 480 16:9/ W - (L) 5152 x 2896 Resize option available in playback
Compression	Fine
Movies	(HD) 1280 x 720, 25 fps, (L) 640 x 480, 29.97 fps
Movie Length	(HD) Up to 4 GB or 29 min 59 s [7] (L) up to 4 GB or 1 hour [4]
FILE TYPES	
Still Image Type	JPEG compression, (Exif 2.3 [Exif Print] compliant) / Design rule for Camera File system, Digital Print Order Format [DPOF] Version 1.1 compliant
Movies	MP4 [Video: MPEG4-AVC / H.264, Audio: MPEG4 AAC-LC (monaural)]
OTHER FEATURES	
GPS	GPS via mobile (via Canon Camera Connect app with compatible smart devices)
Red-Eye Correction	Yes
Intelligent Orientation Sensor	Yes, with Auto Rotate
Histogram	Yes, during playback
Playback zoom	Approx. 2x – 10x
Self Timer	Approx. 2, 10 s or Custom
Menu Languages	English, German, French, Dutch, Danish, Finnish, Italian, Greek, Norwegian, Portuguese, Russian, Swedish, Spanish, Ukrainian, Polish, Czech, Hungarian, Turkish, Simplified Chinese, Chinese (traditional), Japanese, Korean, Thai, Arabic, Romanian, Farsi, Hindi, Malay, Indonesian, Vietnamese, Hebrew

INTERFACE		
	Computer	Hi-Speed USB composite connector (Mini-B compatible)
	Other	A/V output, composite connector (PAL/NTSC)
	Computer/Other	Wi-Fi (IEEE802.11b/g/n), (2.4 GHz only), with Dynamic NFC support [11]

MEMORY CARD		
	Type	SD, SDHC, SDXC

SUPPORTED OPERATING SYSTEM		
	PC & Macintosh	Windows 10 / 8.1 / 8 / 7 SP1 [18]
		Mac OS X 10.9 / 10.10 / 10.11 / 10.12
		For Wi-Fi connection to a PC:
		Windows 10 / 8.1 / 8 / 7 SP1
		Mac OS X 10.9 / 10.10
		For Image Transfer Utility:
		Windows 10 / 8.1 / 8 / 7 SP1
		Mac OS X 10.9 / 10.10 / 10.11 / 10.12

SOFTWARE		
	Other	CameraWindow DC
		Map Utility
		Image Transfer Utility
		Camera Connect app available on iOS and Android devices

POWER SOURCE		
	Batteries	Rechargeable Li-ion Battery NB-11L / NB-11LH (NB-11L battery and charger supplied)
	Battery life	Approx. 190 shots
		Eco Mode: Approx. 245 shots
		Playback Mode: Approx. 240 min

ACCESSORIES		
	Cases / Straps	Soft Case DCC-1320
		Soft Case DCC-1370
	Flash	Canon High Power Flash HF-DC2
	Power Supply & Battery	Battery Charger CB-2LFE / CB-2LDE
	Chargers	Rechargeable Li-ion Battery NB-11L/ NB-11LH
	Other	Canon AV Cable AVC-DC400
		Interface cable IFC-400PCU

PHYSICAL SPECIFICATIONS		
	Operating Environment	0 – 40 °C, 10 – 90% humidity
	Dimensions (WxHxD)	95.3 x 56.8 x 23.6 mm
	Weight	Approx. 137 g (including battery and memory card)

All data is based on Canon standard testing methods (according to CIPA Standards) except where indicated.

Subject to change without notice.

[1] Depending on the image size selected

[3] Under conditions where the flash does not fire

[4] Depending on memory card speed / capacity / compression setting.

[6] Some settings limit availability

[7] The following Speed Class memory cards are required for maximum record time: (HD) 1280 x 720 Speed Class 4 or above. (Full HD) 1920 x 1080 Speed Class 6 or above. (iFrame) 1280 x 720 Speed Class 6 or above.

[11] Wi-Fi use may be restricted in certain countries or regions. Wi-Fi support varies by device and region. For more information visit www.canon-europe.com/wirelesscompacts

[13] Values at maximum optical focal length. Cameras whose focal length exceeds 350 mm (35 mm equivalent) are measured at 350 mm.

[14] Image processing may cause a decrease in the number of pixels

[18] Software applications compatible with Windows 10 in Windows 10 Desktop Mode only