GPS Receiver GP-E2
Specification Sheet

TYPE		
	Type	GPS receiver
	Compatible cameras	Automatic geotagging when shooting supported by Canon EOS 5D Mark III and EOS-1D X and later cameras (7D: supported with a firmware update) Manual geotagging after shooting (from logging information) supported by all EOS digital cameras
GPS		
	Location information	Latitude, longitude, altitude, and time (UTC)
	Reception frequency	1575.42 MHz (L1 band)[1]
	Positioning interval	Every 1, 5, 10, 15, or 30 seconds, or every 1, 2, or 5 minutes
	Satellite reception	Shown on the GPS indicator (red) Before signal acquisition: Fast blinking Signal acquired: Slow blinking
	Self contained navigation	Not supported
Digital Compass		
	Type	Direction calculated using a triaxial geomagnetic sensor and triaxial acceleration sensor[2]
	Direction positioning interval	Constant positioning
	Calibration	Supported
Logging		
	Logging interval	Every 1, 5, 10, 15, or 30 seconds, or every 1, 2, or 5 minutes
	Log file format	NMEA-0813
	File creation interval	One file per day
	Memory level display	None [3]
	File usage	Images can be geotagged using Map Utility with log files. Log files can be converted to KMZ files using Map Utility. Routes the camera has travelled can be viewed in Google Earth or other map software by loading the KMZ files.
GPS Modes		
	Power switch set to <ON>	Location information (latitude, longitude, altitude, direction, and UTC time) is automatically added to images Exif information when taking pictures.
	Power switch set to <LOG> (logging mode)	Location information (latitude, longitude, altitude, and UTC time) is recorded on GPS Receiver GP-E2 at the specified interval. Location information (latitude, longitude, altitude, direction, and UTC time) is automatically added to images Exif information when taking pictures.
	Connected to a computer	Supports the following operations when GPS Receiver GP-E2 is connected to a computer and Map Utility is used to access GPS Receiver GP-E2 log files. Import logs to the computer Delete logs Manually geotag shots without GPS information by adding location information (latitude, longitude, altitude, and UTC time) to image Exif information View a route of where the camera has travelled on a map Produce KMZ files from log files Update GPS Receiver GP-E2 firmware

Time adjustment		
	Type	Set GPS time data on the camera[4,2]
	Clock precision	High-precision time adjustment: ±0.2 sec.[5] Normal time adjustment: ±1 sec.
	Updating Interval	Auto update: After satellite reception when GPS Receiver GP-E2 is turned on Immediate updating
Interface		
	Hotshoe	For direct camera connection
	Digital Port	For connection via dedicated interface cable to USB port[6]
POWER SUPPLY		
	Power supply	Off/On/Logging
	Power switch	One AA/LR6 alkaline battery
	Battery life (continuous positioning)	Approx. 92 hours with postioning interval set to 5minutes
	Battery check	Indicated by the battery check lamp (red) Level OK: Slow blinking Low battery: Fast blinking Replace battery: Off
PHYSICAL SPECIFICATIONS		
	Colour	Black
	Dimensions	54 x 73 x 44mm
	Weight	Approx. 81g
	Operating Environment	0 – 45 °C, 85% or less humidity
RELATED PRODUCTS		
	Accessories	Storage case, Interface cables, Soft case, Map Utility

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

[1] L1 band: Frequency allocated for civilian use. Other frequencies include the L2 band (military use) and L5 band (high-precision civilian use)

[2] Not compatible with EOS 7D even with firmware update

[3] When memory is full, older data is overwritten with new data.

[4] Requires signal acquisition from four or more satellites

[5] Margin of error relative to UTC time.
High-precision time adjustment is only available for EOS-1D X

[6] Transmission via cable is used if GPS Receiver GP-E2 is attached to the hot shoe and connected by cable.