Native GPS Plugin (iOS/Android)

Setting up Unity project

iOS
In ProjectSettings -> Player -> Other Settings
Add:
1) Camera Usage Description
2) Microphone Usage Description
3) Location Usage Description

Set Target minimum iOS Version: 11.0
You can set Target SDK to Simulator SDK to test app on simulator

Android
In ProjectSettings -> Player -> Other Settings
Set Minimum API Level to Android 8.1 (API level 27)

Test plugin

In plugin there is a scene named NativeGPS, you can build them and test on device.

Example of usage all function you can find in NativeGPSUI.cs

NativeGPSPlugin

Description

Structure describing device location.

Units are in meters.

Properties

GetAltitude()	Geographical device location altitude.
GetAccuracy()	Horizontal accuracy of the location.
GetLatitude()	Geographical device location latitude.
GetLongitude()	Geographical device location longitude.
GetSpeed()	Speed at the time of this location in meters per second.
GetVerticalAccuracyMetersPerSecond()	Vertical accuracy of the location.
GetSpeedAccuracyMetersPerSecond()	Speed accuracy of the location.

NativeGPSPlugin.GetAltitude()

public static double **GetAltitude()**;

Description

The altitude of this location in meters above the WGS84 reference ellipsoid.

NativeGPSPlugin.GetAccuracy()

public static float **GetAccuracy()**;

Description

Returns the estimated horizontal accuracy radius in meters of this location at the 68th percentile confidence level.

NativeGPSPlugin.GetLatitude()

public static double **GetLatitude**();

Description

Get the latitude in degrees.

NativeGPSPlugin.GetLongitude()

public static double **GetLongitude**();

Description

Get the longitude in degrees.

NativeGPSPlugin.GetSpeed()

public static float **GetSpeed**();

Description

The instantaneous speed of the device, measured in meters per second.

NativeGPSPlugin. GetVerticalAccuracyMetersPerSecond ()

public static float **GetVerticalAccuracyMetersPerSecond** ();

Description

Returns the estimated altitude accuracy in meters of this location at the 68th percentile confidence level.

NativeGPSPlugin. GetSpeedAccuracyMetersPerSecond ()

public static float **GetSpeedAccuracyMetersPerSecond** ();

Description

The accuracy of the speed value, measured in meters per second.