**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.