



Camera GIS

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Foreword

Camera GIS is a mobile application designed to work together with its PC Partner, Photo GIS, to allow you to quickly and easily take photos and attach custom comments.

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Other NRG Software

NRG also develops a suite of Topographic and Ground Modelling software for Civil Engineering.

Details of the NRG software system can be found at <http://www.nrgsurveys.co.uk/>

The website contains a full download of the system and many supporting tools can be found within it that can be used in demo mode.

1. Templates

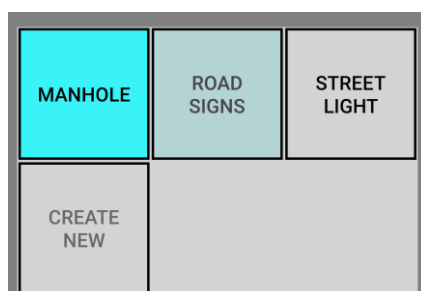
One of the main features of Camera GIS is the template system, which, when used well can result in a significant amount of time being saved when cataloguing assets. Templates allow a user to create a collection of comments with optional default values to apply to a photo. This system is useful when taking many photos where the same type of comments would need to be added. For example, when surveying manhole covers.

1.1 Creating a Template

In order to create a template, press the “templates” button found on the main menu.



Then press the create new button to add a new custom template.



This will take you to the template creation menu where you can select the template name, background colour and text colour in addition to adding comments to the template.

A screenshot of a template creation form. It has a dark grey header bar with the text 'Template Name'. Below the header is a light grey input field with the placeholder text 'Enter a name'. Underneath is another dark grey header bar with the text 'Background Color', followed by a light grey input field. Below that is a third dark grey header bar with the text 'Text Color', followed by a black input field. At the bottom is a light grey button with the text 'ADD COMMENTS'.

1.2 Adding Comments to a Template

Press the add comment button to move to the add comment page.

ADD COMMENTS

Load
Save
+
Clear

Diameter

Tap to enter

From the comments page you can add a new comment, load comments from an existing template, save the comments to the template or clear all the comments. Pressing add comment will allow you to add a new comment selecting the name, default value (optional) and data type for the comment.

Name

ID

Default Value

nrg 23

Type

Text

2. Photos

Camera GIS allows the user to add custom comments to an existing photo or take a new photo and add comments to that.

**Please note that when taking a photo, coordinates, bearing and inclination are calculated at the point the photo is accepted and NOT at the point the photo is initially taken.*

2.1 Modify Variables

After taking / selecting a photo you will be presented with a variables page. These variables contain information regarding the photo's location and more. From this page you can modify the values of any of the variables or check they are correct before moving on to the comments page.

Latitude

53.258344

Longitude

-3.980069

GPS Accuracy

18.96

Bearing

76.99

Altitude

65.82

Inclination

22.24

Distance

12

2.2 Add Comments

Comments can be added to a photo manually or imported from a selected template. It is recommended to use templates where possible in order to save time.

