



KML Camera

Capture KML Content on the
iPhone/iPod Touch

IntelligentGadgets.us

Email:

intelligentGadgets@comcast.net

KML Camera automatically creates KML files containing pictures, text, movies and sound that you can display in KML Map, Google Earth, and other geospatial applications. It uses Google's keyhole markup language (KML) – a standard format used by Google Earth and other mapping and navigation tools to represent geographical information, and so is compatible with these tools.

The main menu contains a tool bar (top), view control bar (blue) and camera roll control bar (orange).

Tool Bar



Tap the camera button to take a new picture or movie (with sound). Hold the device steady and tap "Use". The location and position of the camera is recorded at this time and a new entry is created and added to the camera roll.



Tap the search button to find a picture or movie in the camera roll by descriptive text that you have

previously entered in the text view (described below).



Upload pictures and movies with their KML file to a website of your choosing. Details are specified in **SETTINGS**.



Tap the information button for the latest documentation, which is downloaded from our website.

View Control Bar



This view displays the picture or link to a movie. Tap the link to play the movie. Use one finger to roam the picture, and two fingers (pinch) to zoom.



In this text view you can add descriptive text to a picture or movie. Tap “Done” to dismiss the keyboard. To delete an entry from the camera roll, delete all of the text and tap “Done”. This cannot be undone.



Shows the location of the current picture or movie on a map. Tap the pushpin for its description.



Here you specify a user ID, website for uploading your data, and other information.

User ID – This is the name of your KML file (e.g., mrSmith.kml)

Upload URL – This is a web site that can accept your data. We provide one you can use as a default.

Save to Photos App – Also saves any pictures or video in Apple's Photos App.

KML Photo Overlay – If this option is on, a KML photo overlay will be generated for each picture in the camera roll; otherwise, the photo will be embedded as CDATA in the <description> tag.

Picture/Video Quality – This specifies the quality when the photo or video is taken. Recommend low or medium quality settings. High quality generates large files, particularly for video.

The map view at the bottom of the settings view shows your current location and provides a visual indication of the accuracy of the GPS. Check this display before taking a picture or movie to insure your data will be accurately positioned.

Camera Roll Control Bar

These controls go to the first, next, previous, and last item in the camera roll. The number and date/time of the current item is shown below.

Other Information

There are three files for each entry in the camera roll:

- Image (.jpg) or video (.mov)
- Text (.txt)
- Metadata (.xml)

Each time a new picture or movie is taken, a new KML file is generated for all of the entries in the camera roll.

Additionally, an HTML file is also created that lists all of the pictures/videos in time sequential order.

These files can be transferred to/from the document directory using iTunes File Sharing. The .txt and .xml are internal files. Only the .kml, .html, .jpg, and .mov files need to be exported for display on KML Map, Google Earth, or other tools.