

Nokia City Lens

NOKIA City Lens

This article explains how NOKIA city lens works, and how to use it

Introduction



Nokia City Lens is Nokia's location-based augmented reality application, Using the phone's camera viewfinder, Nokia City Lens provides an augmented reality overlay view of buildings and instantly highlights places of interest.

It basically turns sight into the next interface for searching the world around you. The app then provides information about each building or landmark in the area giving the user an at-a-glance understanding of what restaurants, museums, shops and others places of interest are nearby. Seeing a place of interest through augmented reality provides a wealth of information not available with the naked eye, allowing you to see the world around you using your smartphone instead of having to perform web searches. It makes finding the best of what's around you as simple and natural as looking.

[\[Interface\]](#) [The Camera Is Open](#)

More Features in the App

The first to be introduced will be a new 3D icons layout, which is going to make the augmented reality experience look even more realistic. It is also going to fix a common problem of augmented reality apps. If you don't see a place in real life, because it's hidden behind a building, you might want to see it or not among nearby search results. It gives you the choice: you will be able to filter search results so that only those in the line of sights are visible.

It is also going to make more use of Windows Phone unique features. For instance you will be able to pin to start any category tile, to find faster what you are looking for, anywhere you are. You can also customize the Nokia City Lens menu by adding your own favorite searches. It also has free of charge turn-by-turn voice guided navigation, Nokia Drive 3.0, which can also be used without internet connection using preloaded maps.

How does this work?

Nokia City Lens App uses **Location-Based** and **Augmented reality** Technologies,

Location-Based Services are accessible with mobile devices through the mobile network and which uses information on the geographical position of the mobile device, It can detect your position using the GIS -Geographic Information System- of your device then it gets the nearby locations for the restaurants, hotels, and ETC from Nokia Maps, Then it converts it to **Augmented Reality**

Augmented Reality the augmented reality technology is a technology that allows for computer-generated virtual imagery information to be superimposed onto a live direct or indirect real world environment in real time, that's exactly what happens when you open the camera with the city lens app you see your city in a virtual imagery view. and the location-based services determine the nearby locations, the restaurants, Hotels, ETC.

Summary

Finally, Nokia City Lens is great application, It helps anybody to find what he needs quickly, It also helps tourists in a foreign country, Simply it is awesome

