

## Theia's Image Resolution Calculator App' for Smartphones now available

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Theia Technologies' Image Resolution Calculator App' for iPhones is now available. It follows the launch of the Android version in late 2010. Theia's Image Resolution Calculator app' is a tool for iPhone and Android smartphones that allows users to input video surveillance parameters and provides the corresponding image resolution from the convenience of a mobile device on location. Users input the camera resolution, sensor size, lens choice and one of 3 variables - camera distance, resolution, or field of view needed. The tool then calculates image resolution and returns a representative image at that resolution to help the user understand what level of detail can be seen using his combination of variables.



Theia's calculator app' enables video surveillance integrators and systems designers to quickly and conveniently understand whether a combination of video surveillance imaging equipment meets the resolution and area coverage requirements of an application. The app', like Theia's web-based version, is unique in that it provides a dynamic image that allows the user to zoom in and pan around the image for an even better understanding of what is to be expected from the user inputs. No other lens calculator offers a representative image to help the user understand image quality and resolution. It gives a designer a good indication of whether their proposed choice of equipment will work prior to installation and testing, helping to avoid product specification mistakes and costly system rework. Theia has applied for a patent for the calculator and its unique image resolution simulation functionality.

As the industry moves to higher resolution cameras and lenses and many users are still unfamiliar with what can be seen in a megapixel camera image, the tool helps align what are in some cases erroneous expectations, to more realistic expectations of image quality in today's higher resolution application environments.

Theia will demonstrate the unique tool at ISC West in Las Vegas April 6 – 8, 2011 and will offer a free iPhone version to the first 50 visitors to their booth #6047. The app' is available on the Android marketplace and or on iTunes for \$4.99. Visit [www.TheiaTech.com/calculator.html](http://www.TheiaTech.com/calculator.html), email [info@theiatech.com](mailto:info@theiatech.com), or phone Theia at 1+(503) 570-3296 to learn more.

### About Theia

*Theia Technologies provides high quality megapixel lenses for security and machine vision applications. Their patented, award winning Linear Optical Technology® corrects barrel distortion and improves image resolution over typical lenses. Theia lenses are designed and marketed from the US, and manufactured to ISO 9001 standards. Theia also provides optical engineering and custom design services. Theia has several issued and pending US and foreign patents for lens technologies. For more information, contact Andrea Iniguez, +1 (503) 570-3296, or visit [www.TheiaTech.com](http://www.TheiaTech.com).*

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