



Theia
Lens
Calculator

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Online Lens Calculator and Smart Phone Apps

Camera Settings
Step 1: Choose your camera resolution and sensor size

Resolution: 1.3 MPix
Sensor size: 1/3"

Lens
Step 2: Choose the lens model or "other lens" to enter any focal length

Select lens: SV125
Lens focal length: 1.28 mm
Lens field of view: 125°

Step 3: Enter one of the following

Distance to Object: ft
Image resolution: 40 pix/ft
Horizontal field of view: ft

Unit system: English Metric

The image below represents the field of view of the camera. Objects seen in the image may not be at the desired distance.

Horizontal field of view: 32 ft

Object distance: 8.3 ft

Image resolution: 40 pix/ft

This cut-out view shows the resolution of the image you will see on a monitor

Application picture: Parking lot
First row of cars at 50 feet. Targets shown at 50', 80', 105', 140', and farther.

Aspect ratio: 4x3
Vertical field of view: 24 ft

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V2.1

- Wondering if you can read a license plate or recognize a person with your chosen lens and camera?
- Can you reduce the number of installed cameras without sacrificing area of video coverage?
- Will a digital PTZ solution really work like it does on TV?
- Does your camera solution meet the needs of your customer?

Theia's **lens calculator** can help you understand these questions. Choose the camera resolution and lens, set the object distance, image resolution, or desired field of view and the calculator will show a representative image of the resulting resolution.

Available online at
www.TheiaTech.com/calculator.html.

Mobile version for Android phones
available now in the **Android Market**.
Only \$4.99. Search for "Theia"

Mobile version for iPhone available in
the **iTunes store**.
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