

# View angle calculator

Online tool to estimate lens view angle used with C1 family cameras

- [About](#)
- [View angle calculator](#)

# About

Theoretical view angle calculator based on pinhole camera model. Helpful to determine field of view (FOV) for particular camera sensor and lens combination.

Does not take into account that some lenses can cover image partly

Gives inaccurate results for fish-eye and wide angle ( $>90^\circ$ ) lenses

# View angle calculator

- Choose camera model or enter sensor size
- Enter lens focal length
- Press

## Chose camera to fill sensor size

C1 / AR0330

C1 MICRO / AR0330

C1 PRO / IMX290

## Diagonal angle visualization



## Sensor size and lens focal length

<b>Width, mm</b>	<input type="text" value="5.63"/>
<b>Height, mm</b>	<input type="text" value="3.17"/>
<b>Diagonal, mm</b> (calculated automatically)	<input type="text" value="6.5"/>
<b>Lens focal length, mm</b>	<input type="text" value="2.8"/>

## Calculated view angles

<b>Horizontal field of view, °</b>	<input type="text" value="90.3"/>
<b>Vertical field of view, °</b>	<input type="text" value="59"/>
<b>Diagonal field of view, °</b>	<input type="text" value="98.5"/>