

View angle calculator

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

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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

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

Calculated view angles

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