View angle calculator

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

- About
- View angle calculator

About

This is archived post, see new version on new platform.

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°) lenses

View angle calculator

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

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	5.63
Height, mm	3.17
Diagonal, mm (calculated automatically)	6.5
Lens focal length, mm	2.8

Calculate angles

Calculated view angles

Horizontal field of view, °	90.3
Vertical field of view, °	59
Diagonal field of view, °	98.5