
Entocentric 90° Lens - RWO 30-0.35

Short description: entocentric 90° lens, C-Mount, sensor max. 2/3", focal length 30 mm, WD 83 mm

Order number: 2-10-327

EAN: 4251692625217



Characteristics

- lens with 90° angled beam path for use under difficult mounting conditions
 - robust industrial design
 - for matrix and line cameras with 2/3" sensors
 - manually adjustable iris with fixing, fixed working distance
 - low distortion
 - spectral range from 380 to 900 nm, colour-corrected and bright
 - C-mount threaded connection
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Technical data

Focal length	30 mm
Image scale	0.35 (-1 : 2.86)
Image side aperture	0.083 ... 0.022
Working distance	83 mm
Sensor size (max)	2/3"
Object field diagonal (max)	31.4 mm
Object field with:	
• 2/3" sensor	25.1 mm x 18.8 mm
• 1/1.8" sensor	20.5 mm x 15.4 mm
• 1/2" sensor	18.2 mm x 13.7 mm
• 1/3" sensor	13.7 mm x 10.2 mm
• 1/4" sensor	9.7 mm x 6.2 mm
Lens length	81.6 mm
Lens diameter (max)	42.0 mm
Lens mount	C-Mount
Filter thread camera-side	M20 x 0.5
Weight	150 g
Ambient temperature	-10 °C bis 50°C

Accessories for Entocentric Lenses - RWO 30-0.35

Order number	Title	Description
<i>Extension tubes</i>		
2-90-415	Extension ring 0.5 mm	26 x 31 x 0.5 reduces the minimum object distance (MOD)
2-90-416	Extension ring 1.0 mm	26 x 31 x 1.0 reduces the minimum object distance (MOD)
2-90-410	Extension tube set C-mount	consist of extension rings with each 0.5 mm, 1 mm, 5 mm, 10 mm, 20 mm and 40 mm
<i>Lens adapter c-mount</i>		
2-90-414	CS to C-mount adapter 5.0 mm	for connecting C-mount lenses with CS-mount cameras, length: 5 mm

Technical drawing of the C-mount adapter showing three views: front, side, and top.

Front View Dimensions:

- Total length: 64.6 mm
- Flange length: 20 mm
- Body length: 44.6 mm
- Flange thickness: 4 mm
- Internal hole diameter: $\varnothing 34$ mm
- Internal hole spacing: 22 mm

Side View Dimensions:

- Total height: 94 mm
- Flange height: ≈ 13.2 mm
- Body height: 83 mm
- Mounting hole diameter: $\varnothing 38$ mm
- Mounting hole type: C-Mount

Top View Dimensions:

- Mounting hole diameter: $\varnothing 38$ mm
- Mounting hole spacing: 12 mm
- Mounting hole type: M5 mounting holes (2pc max. screw-in depth 10 mm)

Other Labels:

- objekt plane (indicated by a dashed line)

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