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## Entocentric Lens - VCN 1.4/12

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**Short description:** entocentric lens, sensor max. 1/2", F1.4, focal length 12 mm, MOD 300 mm

**Order number:** 2-10-224



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### Characteristics

- manually adjustable standard lens with fixed focal length for C and CS mount cameras
  - for matrix and line cameras with 1/2" sensors
  - resolution of 100 lp/mm in the centre of the image
  - compact design, robust and durable
  - fixable focus and iris adjustment
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## Technical data

|                           |                       |
|---------------------------|-----------------------|
| Focal length              | 12 mm                 |
| F-number                  | 1.4 - 16C             |
| MOD                       | 0.3 m                 |
| Sensor size (max)         | 1/2"                  |
| Angle of view with:       |                       |
| • 1/2" sensor             | 29.8° x 22.6° x 36.8° |
| • 1/3" sensor             | 22.6° x 17° x 28.9°   |
| • 1/4" sensor             | 16.1° x 10.4° x 19.1° |
| Lens length               | 34.5 mm               |
| Lens diameter (max)       | 30.0 mm               |
| Lens mount                | C-Mount               |
| Filter thread object-side | M27 x 0.5             |
| Weight                    | 56 g                  |
| Ambient temperature       | -10 °C bis 50°C       |

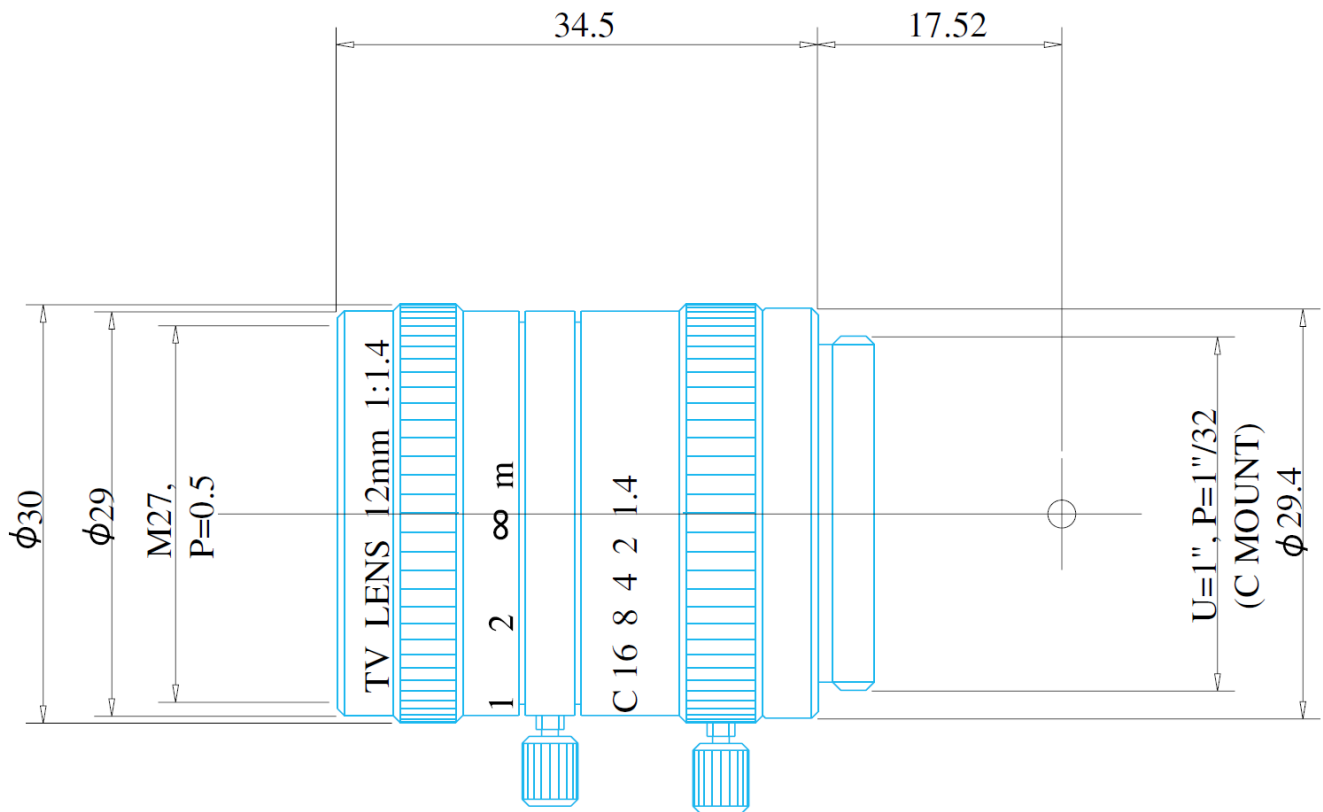
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## Accessories for Entocentric Lenses - VCN 1.4/12

| Order number                    | Title                        | Description                                                                         |
|---------------------------------|------------------------------|-------------------------------------------------------------------------------------|
| <b>Extension tubes</b>          |                              |                                                                                     |
| 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     |
| <b>Lens adapter c-mount</b>     |                              |                                                                                     |
| 2-90-414                        | CS to C-mount adapter 5.0 mm | for connecting C-mount lenses with CS-mount cameras, length: 5 mm                   |
| <b>Neutral density filter</b>   |                              |                                                                                     |
| 2-91-256                        | ND filter 3.0 M27x0.5        | optical density 3.0 - 0.1% transmission, f-stop reduction 10, filter thread M27x0.5 |
| 2-91-246                        | ND filter 1.2 M27x0.5        | optical density 1.2 - 6.3% transmission, f-stop reduction 4, filter thread M27x0.5  |
| 2-91-236                        | ND filter 0.6 M27x0.5        | optical density 0.6 - 25% transmission, f-stop reduction 2, filter thread M27x0.5   |
| <b>Daylight blocking filter</b> |                              |                                                                                     |
| 2-91-216                        | IR filter M27x0.5            | long-pass filter from 830 nm, daylight absorbing filter, filter thread M27x0.5      |
| <b>Polarising filters</b>       |                              |                                                                                     |
| 2-91-226                        | Pole filter M27x0.5          | linear polarizing filter, range 420 nm - 780 nm, filter thread M27x0.5              |
| <b>Colour filter blue</b>       |                              |                                                                                     |
| 2-91-283                        | Colour filter blue M27x0.5   | band-pass filter, range 350 nm - 600 nm, filter thread M27x0.5                      |
| <b>UV Cut-Off Filter</b>        |                              |                                                                                     |
| 2-91-206                        | UV blocking filter M27x0.5   | long-pass filter from 350 nm, usable as protective glass, filter thread M27x0.5     |
| <b>Colour filter red</b>        |                              |                                                                                     |
| 2-91-265                        | Colour filter red M27x0.5    | long-pass filter from 630 nm, red, filter thread M27x0.5                            |

| Order number                                          | Title                           | Description                                                                        |
|-------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------|
| <b><i>Colour filter green</i></b>                     |                                 |                                                                                    |
| 2-91-296                                              | Colour filter green<br>M27x0.5  | band-pass filter, range 430 nm - 620 nm, filter<br>thread M27x0.5                  |
| <b><i>Colour filter yellow</i></b>                    |                                 |                                                                                    |
| 2-91-270                                              | Colour filter yellow<br>M27x0.5 | long-pass filter from 530 nm, yellow, filter thread<br>M27x0.5                     |
| <b><i>Adapters for attaching lights to lenses</i></b> |                                 |                                                                                    |
| 1-29-151                                              | Adapter ring d14 -<br>M27x0.5   | for RK613, for attachment to lenses with filter<br>thread M27x0.5                  |
| 1-33-027                                              | Adapter ring d20.4 -<br>M27x0.5 | for R-CLR-38x20, for attachment to lenses with filter<br>thread M27x0.5            |
| 1-10-006                                              | Adapter ring d27 -<br>M27x0.5   | for RK1220, for attachment to lenses with filter<br>thread M27x0.5                 |
| 1-29-670                                              | Adapter ring d41 -<br>M27x0.5   | for R-CLR-69x41 and RK2036, for attachment to<br>lenses with filter thread M27x0.5 |

## Drawings



Dimensional drawing in mm