

# TZS8-0.8-87

Telecentric S-series lenses are measuring optics for industrial use.

The complete series contains the families TZS8, TZS12, TZS16 and TZS24.

Every family has members for 1/3", 1/2" and 2/3" sensors.

All objectives are equipped with fixed iris and fixed focus. Mechanical interfaces are perfect for integration purposes.

Customized Adjustments:

Adjustments of iris, working distance etc. are possible any time.

Attachments:

Mounting blocks, coaxial illumination heads, ring light as well as telecentric backlight for highest precision are available on inquiry.



| TZS8-0.8-87              |  |      |      |    |
|--------------------------|--|------|------|----|
| Ø Image circle           | 1/3"   | 1/2" | 2/3" | 1" |
| Width object field(Vis)  | 6,0 mm   | -    | -    | -  |
| Height object field(Vis) | 4,5 mm   | -    | -    | -  |
| Wavelength               | VIS 486 - 656 nm NIR 800 - 900 nm  |      |      |    |
| Interface                | C - Mount  |      |      |    |
| Notes                    | All object fields are tolerated with $\pm 5\%$ .<br>OO' indicates the whole imaging length of the image field (typically CCD chip) to the object.<br>s means the object-sided back focus length, i. e. the distance of the front lens to the object. |      |      |    |

| Spectral Range                   | VIS        |
|----------------------------------|------------|
| Ø Object field 1/3"              | 7,5 mm     |
| Ø Object field 1/2"              | -          |
| Ø Object field 2/3"              | -          |
| Ø Object field 1"                | -          |
| Working distance (AA $\pm 2\%$ ) | 87,0 mm    |
| Imaging length OO'               | -          |
| Back focus distance $s_s$        | 91,0 mm    |
| Linear magnification             | 1:1,3      |
| MAG (B) ( $\pm 5\%$ )            | 0,80       |
| Telecentricity                   | < 2,0 mrad |
| Distortion max.                  | 0,65%      |

