

TZS12-0.7-141

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.



| TZS12-0.7-141 | | | | |
|--------------------------|--|--------|------|----|
| Ø Image circle | 1/3" | 1/2" | 2/3" | 1" |
| Width object field(Vis) | 6,9 mm | 6,9 mm | - | - |
| Height object field(Vis) | 5,1 mm | 9,1 mm | - | - |
| Wavelength | VIS 486nm - 656nm | | | |
| Interface | C-Mount | | | |
| Notes | All object fields are tolerated with $\pm 5\%$. OO' indicates the whole imaging length of the image field (typically CCD chip) to the object. 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" | 8,6 mm |
| Ø Object field 1/2" | 11,4 mm |
| Ø Object field 2/3" | - |
| Ø Object field 1" | - |
| Working distance (AA $\pm 2\%$) | 141,0 mm |
| Imaging length OO' | - |
| Back focus distance s | - |
| Linear magnification | 1:1,4 |
| MAG (B) ($\pm 5\%$) | 0,70 |
| Telecentricity | < 4,0 mrad |
| Distortion max. | 0,70% |

