DATA SHEET

S5VPJ2898

Correctal® T60/0.58

- **telecentric lens with tunable working distance**
- **with c-mount**
- **with variable iris**

inVISION TOP INNOVATION 2017

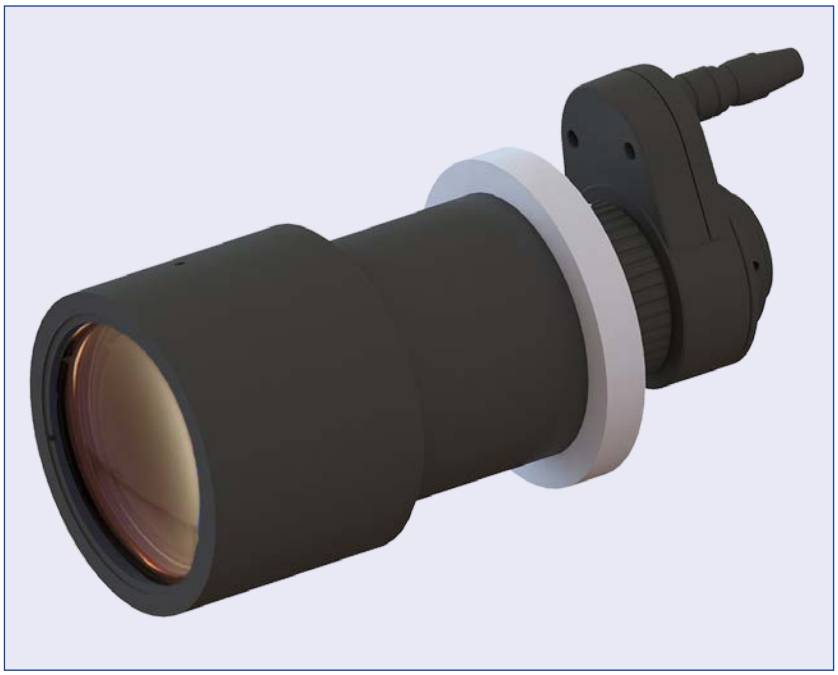
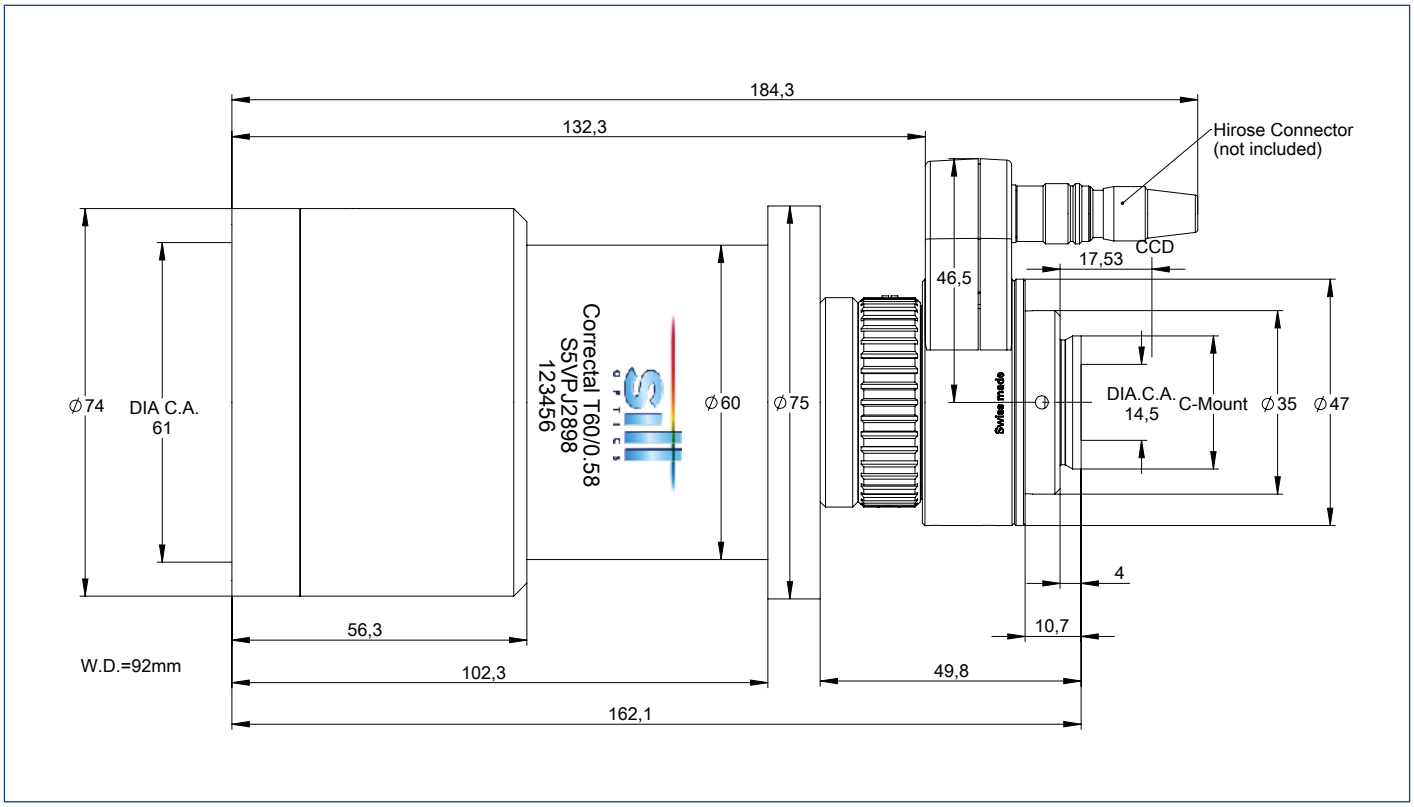


illustration only



outline drawing

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DATA SHEET

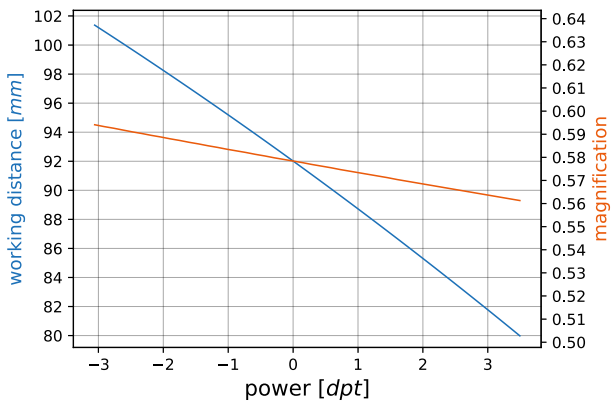
specifications

article number	S5VPJ2898
design wavelength [nm]	450-700
nominal magnification (+/-5%)	0.578
nominal working dist. [mm] (+/-2%)	92.0
object size [mm] at a chip size of [mm]	12.4 x 9.1 7.2 x 5.3 (1/1.8“)
object size [mm] at a chip size of [mm]	15.2 x 11.4 8.8 x 6.6 (2/3“)
object size [mm] at a chip size of [mm]	22.1 x 16.6 12.8 x 9.6 (1“)
max. distortion [%]	0.47
max. telecentricity error [°]	<0.01
numerical aperture	0.030
WD at +3.0 dpt	81.7
magn. at +3.0 dpt	0.564
WD at -2.0 dpt	98.2
magn. at -2.0 dpt	0.589
weight [kg]	0.85
flange back distance [mm]	17.53
accessory (not included)	S5ZUB1640 (Optotune lens driver 4i), S5ZUB1641 (connection cable 6pin Hirose, 100 cm)

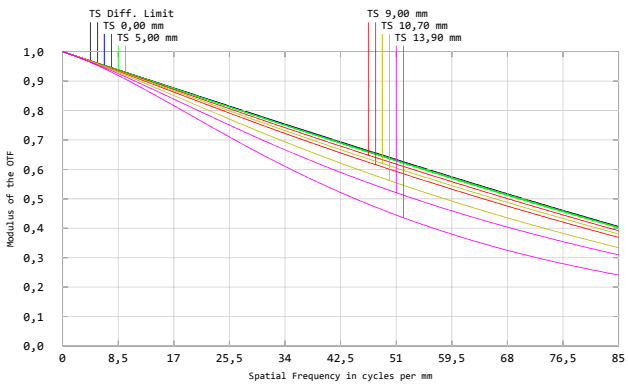
electronical specs

nominal optical power	-2.0 to +3.0 dpt
response time	5 ms
settling time	25 ms
nominal control current	-250 to +250 mA
nominal power consumption	0 to 0.7 W
lifecycles	> 1,000,000,000
operating temperature	-20 to +65 °C
storage temperature	-40 to +85 °C

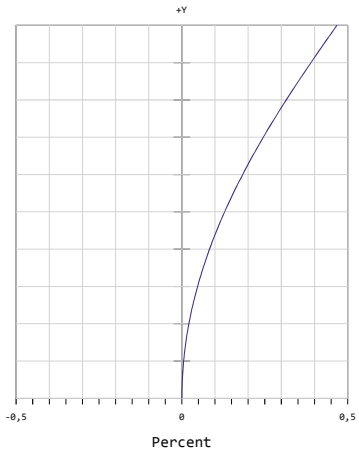
Detailed electronical specification, absolute control current and customized control datasheet: **optotune.com**



MTF for various object heights for 586 nm at 92.0 mm



Distortion for 586 nm at 92.0 mm



T.. tangential S.. sagittal x = distortion y = field size

graphs and data given by design.

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