

S5VPJ2660 Correctal® T50/0.37

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

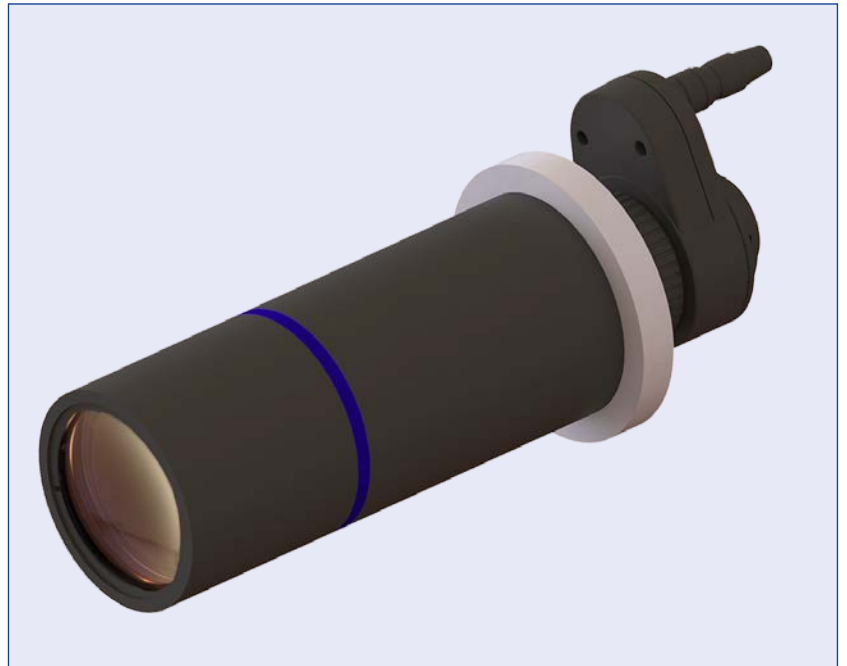
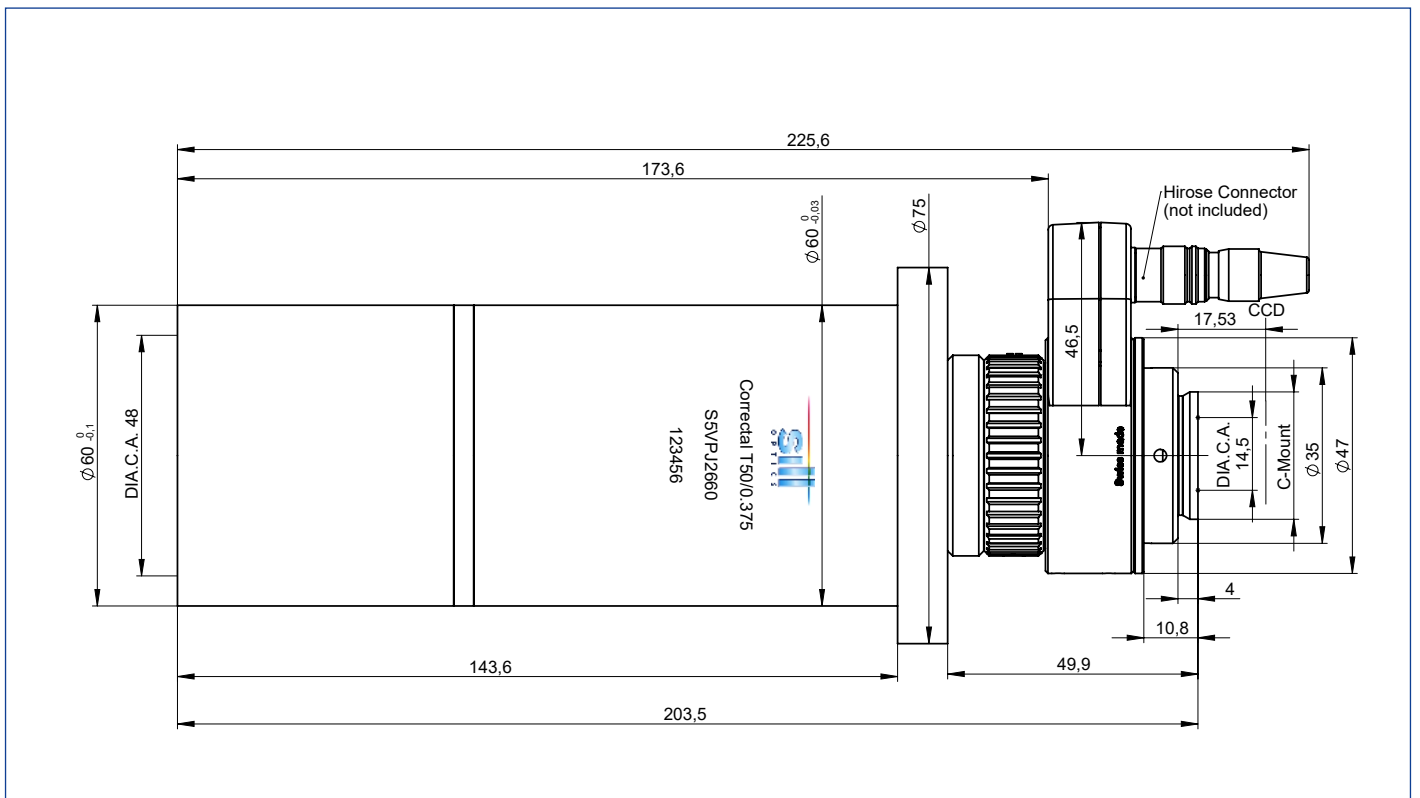


illustration only



outline drawing

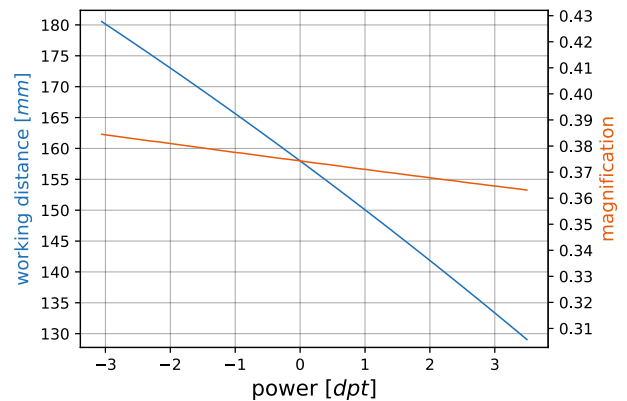
specifications

article number	S5VPJ2660
design wavelength [nm]	450-700
nominal magnification (+/-5%)	0.374
nominal working dist. [mm] (+/-2%)	158.0
object size [mm] at a chip size of [mm]	17.1 x 12.8 6.4 x 4.8 (1/2")
object size [mm] at a chip size of [mm]	19.2 x 14.1 7.2 x 5.3 (1/1.8")
object size [mm] at a chip size of [mm]	23.5 x 17.6 8.8 x 6.6 (2/3")
max. distortion [%]	0.62
max. telecentricity error [°]	<0.01
numerical aperture	0.015
WD at +3.0 dpt	133.4
magn. at +3.0 dpt	0.365
WD at -2.0 dpt	172.9
magn. at -2.0 dpt	0.381
weight [kg]	0.60
flange back distance [mm]	17.53
accessory (not included)	S5ZUB1640 (Optotune lens driver 4i), S5ZUB1641 (connection cable 6pin Hirose, 100 cm)

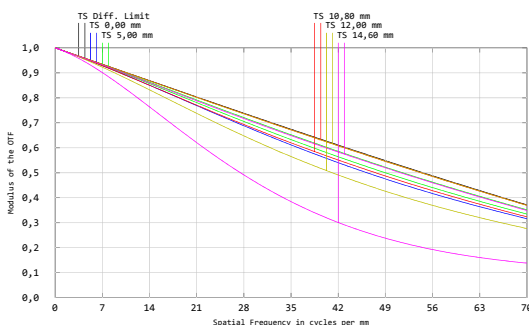
electronical specs

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

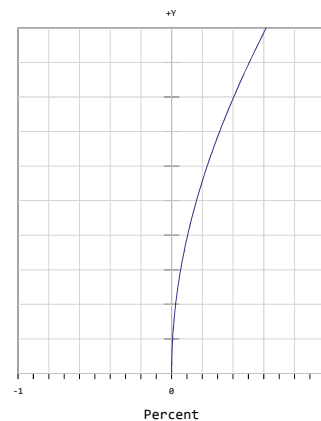
Detailed electronical specification, absolute control current and customized control datasheet: optotune.com



MTF for various object heights for 586 nm at 158.0 mm



Distortion for 586 nm at 158.0 mm



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

graphs and data given by design.