

## S5VPJ2060 Correctal® T/0.5

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

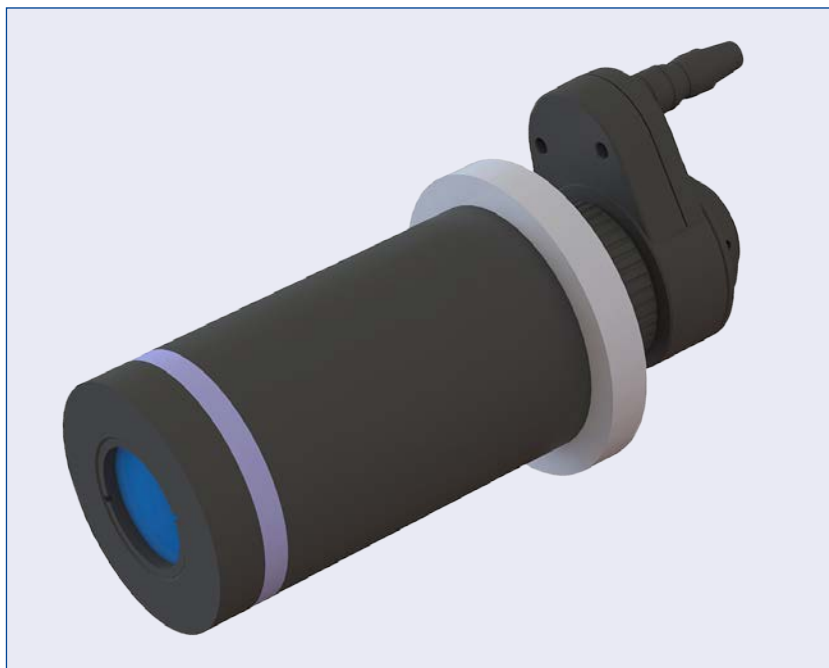
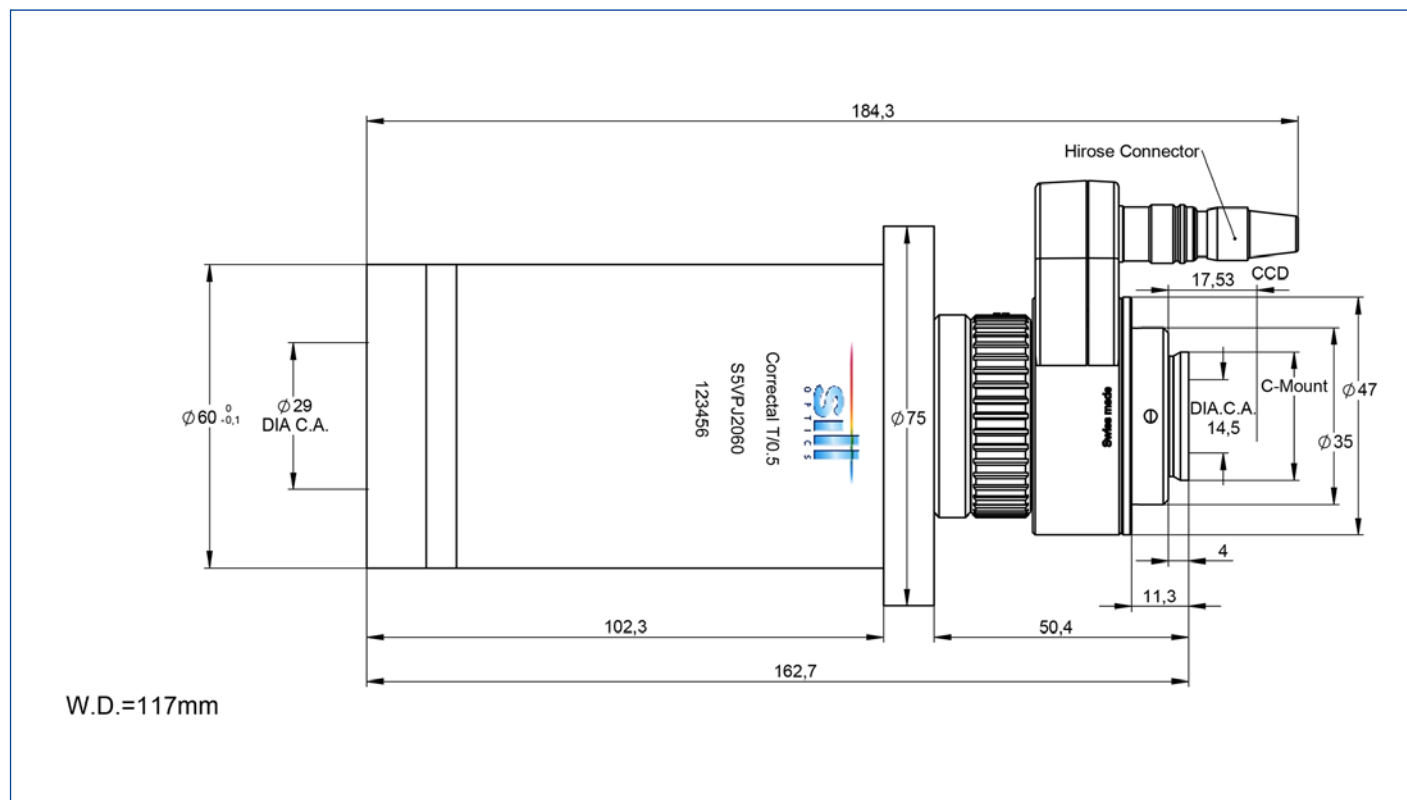


illustration only



outline drawing

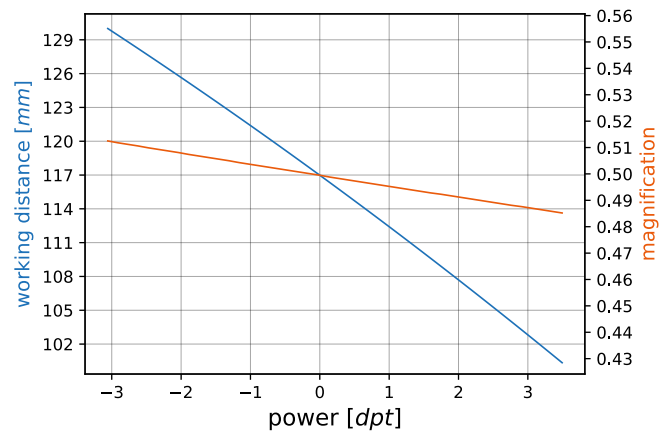
## specifications

article number	S5VPJ2060
design wavelength [nm]	450-700
nominal magnification (+/-5%)	0.499
nominal working dist. [mm] (+/-2%)	117.0
object size [mm] at a chip size of [mm]	7.2 x 5.6 3.6 x 2.8 (1/4")
object size [mm] at a chip size of [mm]	9.6 x 7.2 4.8 x 3.6 (1/3")
object size [mm] at a chip size of [mm]	12.8 x 9.6 6.4 x 4.8 (1/2")
max. distortion [%]	0.3
max. telecentricity error [°]	0.05
numerical aperture	0.02
WD at +3.0 dpt	102.8
magn. at +3.0 dpt	0.488
WD at -2.0 dpt	125.5
magn. at -2.0 dpt	0.508
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)

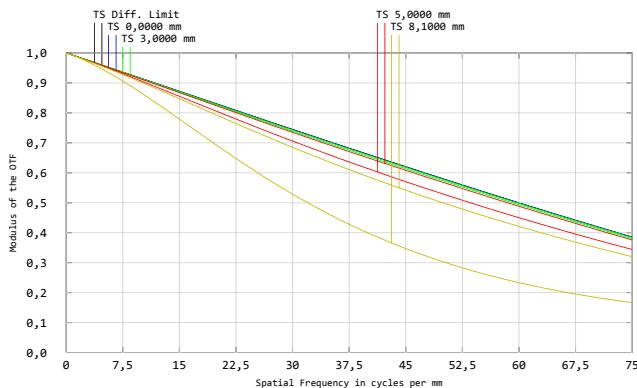
## electronical specs

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](http://optotune.com)



## MTF for various object heights for 586 nm at 117.0 mm



T. tangential

S. sagittal

x = distortion

y = field size

graphs and data given by design.

## Distortion for 586 nm at 117.0 mm

