

OST 2.0 Basics

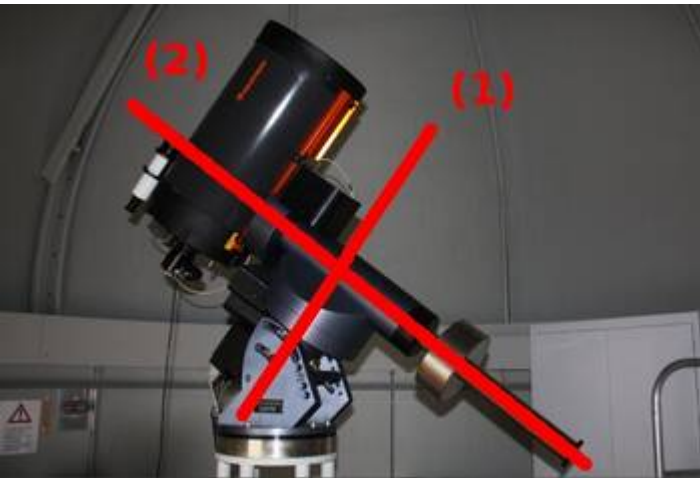
Tube

Type	Corrected Dall-Kirkham (CDK)
Diameter	508 mm
Central obstruction	198 mm
Focal length	3454 mm
Focal ratio	f/6.8
Spacial resolution	0.3"
Image field	52 mm
Mirror substrate	Fused Silica
Length of the tube	1194 mm
Back focus distance	147 mm (behind the focuser)
Weight	64 kg



OST 2.0: The CDK20 from Planewave with the QHY600M and Sti

Mounting



Axes

The mounting consists of 2 perpendicular axes:

- right ascension (1)
- declination (2).

The right ascension axis is parallel to the Earth axis, pointing towards the northern/southern celestial pole on the northern/southern hemisphere, respectively. The declination axis points towards the celestial equator.

Manufacturer	10 MICRON
Model	GM 4000 QCI

Type	German equatorial mount
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Astronomical coordinates

	Degree, minutes, seconds	Decimal degrees	Degree, decimal minutes
Latitude	52° 24' 33,0624" N	52.409184	52° 24.55104 N
Longitude	12° 58' 23,4666" O	12.973185	12° 58.39111 O
Altitude	39 m $\pm$ 5 m		

Dome

The [dome](#) is made out of fibre-reinforced plastic (FRP). It was built and set up by Baader-Planetarium. The dome automatically follows the movement of the telescope. However, the azimuth, the hatch, and the shutter can be manually controlled by an infrared remote control.

Diameter	5.2 m
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