

# OST 2.0 - Basics

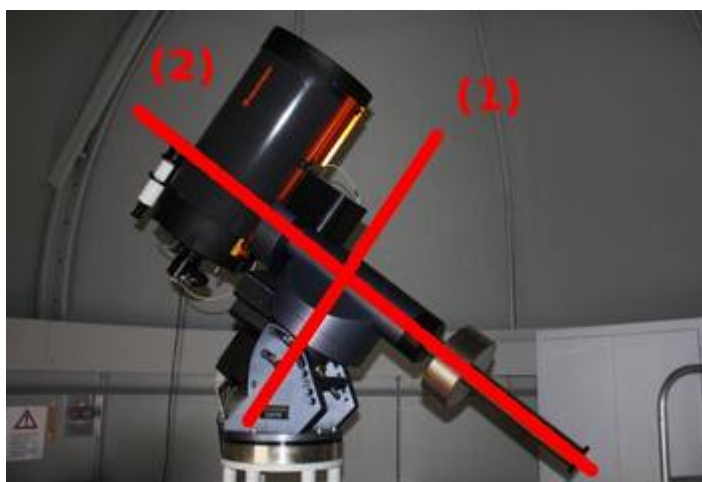
## CDK20 - Tube

<b>Type</b>	Corrected Dall-Kirkham (CDK)
<b>Diameter</b>	508 mm
<b>Central obstruction</b>	198 mm
<b>Focal length</b>	3454 mm
<b>Focal ratio</b>	f/6.8
<b>Spacial resolution</b>	0.3"
<b>Image field</b>	52 mm
<b>Mirror substrate</b>	Fused Silica
<b>Length of the tube</b>	1194 mm
<b>Back focus distance</b>	147 mm (behind the focuser)
<b>Weight</b>	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. The [setup](#) is described in a dedicated article.

<b>Manufacturer</b>	10 MICRON
<b>Model</b>	GM 4000 QCI

<b>Type</b>	German equatorial mount
-------------	-------------------------

## Coordinates

	Degree, minutes, seconds	Decimal degrees	Degree, decimal minutes
<b>Latitude</b>	52° 24' 33,0624" N	52.409184	52° 24.55104 N
<b>Longitude</b>	12° 58' 23,4666" O	12.973185	12° 58.39111 O
<b>Altitude</b>	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.

<b>Diameter</b>	5.2 m
-----------------	-------

From: <https://polaris.astro.physik.uni-potsdam.de/wiki/> - **OST Wiki**

Permanent link: <https://polaris.astro.physik.uni-potsdam.de/wiki/doku.php?id=en:ost:telescope:grunddaten&rev=1617099317>

Last update: **2021/03/30 10:15**

