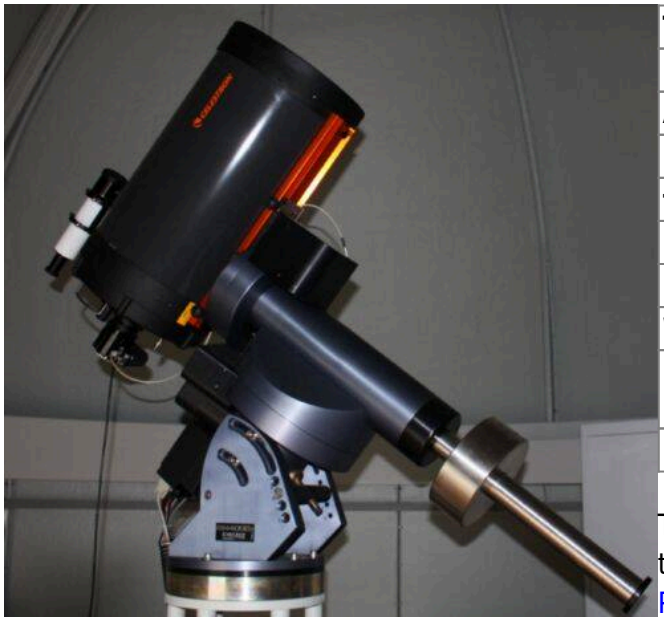
# Our mobile telescopes

Besides our fixed main telescope, the CDK20 from Planewave, our telescope family currently includes the following four telescopes:

## Schmidt Cassegrain telescopes from Celestron

Have a total of three of these telescopes with varying dimensions. Starting at 8″ over 11″ up to 14″.

### The C14


The C14 on the GM4000 QCI

| | |
|---|---|
| **Type** | Schmidt-Cassegrain |
| **Manufacturer** | Celestron |
| **Aperture** | 356 mm |
| **Focal Length** | 3910 mm |
| **f/Ratio** | 11 |
| **Spatial resolution** | 0.33″ |
| **Length of the tube** | 78 cm |
| **Weight** | 20,4kg |
| **Mirror coating** | StarBright™ XLT multicoating |
| **Fastar compatible** | No |

The C14 is our largest Schmidt Cassegrain telescope. It can be mounted on either the CGE-Pro or the CGX-L mount from Celestron. Before we got the CDK-20, the C14 used to be our main fixed telescope. The C14 cannot be used for solar observations. The setup and operation is basically equivalent to the C11. The setup of the CGX-L differs only in a few points from the CGE-Pro. However, the CGX-L is somewhat easier to handle than the CGE-Pro.

### The C11

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|---|---|
| **Type** | Schmidt-Cassegrain |
| **Manufacturer** | Celestron |
| **Aperture** | 279.4 mm |
| **Focal Length** | 2800 mm |
| **f/Ratio** | 10 |
| **Spatial resolution** | 0.41″ |
| **Length of the tube** | 61 cm |
| **Weight** | 12,5kg |

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| **Mirror coating** | StarBright™ XLT multicoating |
| **Fastar compatible** | Yes |

The C11 can be mounted on both Celestron's CGE-Pro and CGX-L mounts. We have a sun filter for the C11, so it can be used for solar observations. The setup and operation of the C11 and the CGE-Pro is described in a separate article. The setup of the CGX-L differs only in a few points from the CGE-Pro. However, the CGX-L is somewhat easier to handle than the CGE-Pro.

The C11 on the CGE Pro

## The C8

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| **Type** | Schmidt-Cassegrain |
| **Manufacturer** | Celestron |
| **Aperture** | 203.2 mm |
| **Focal Length** | 2032 mm |
| **f/Ratio** | 10 |
| **Spatial resolution** | 0.57″ |
| **Length of the tube** | 43.2 cm |
| **Weight** | 5.67kg |
| **Mirror Coating** | StarBright™ XLT Multi-coating |
| **Fastar compatible** | Yes |

The C8 comes with the Advanced GT mount from Celestron. As for the C11, we also have a solar filter for the C8. The setup and operation of the C8 and the Advanced GT is described in a separate article.

## The 130mm apochromat

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| **Type** | Apochromat |
| **Manufacturer** | TS-Optics |
| **Aperture** | 130 mm |
| **Focal Length** | 910 mm |
| **f/Ratio** | 7 |
| **Lens type** | FPL53 triplet |

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|---|---|
| **Spatial resolution** | -″ |
| **Length of the tube** | - cm |
| **Weight** | 11kg |

Our triplet apochromatic refractor offers a wide field of view. The scope is usually used with the CGX-L. The setup and operation is almost identical to the C11. The APO can also be used with the CGE-Pro.

## The Coronado Hα solar telescope aka. the OSST

The Solar Max II on the Advanced GT

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| **Manufacturer** | Coronado |
| **Series** | Solar Max II |
| **Aperture** | 60mm |
| **Focal length** | 400mm |
| **f/Ratio** | 6.6 |
| **Bandwidth** | < 0.5 |
| **Blocking filter** | BF10 |
| **Other** | Richview tuning |
| **::** | Double Stacked |
| **::** | Sol Ranger Sunfinder |

The OSST can be mounted on the Advanced-GT mount from Celestron. More details about the OSST, its setup and operation can be found in a separate article.