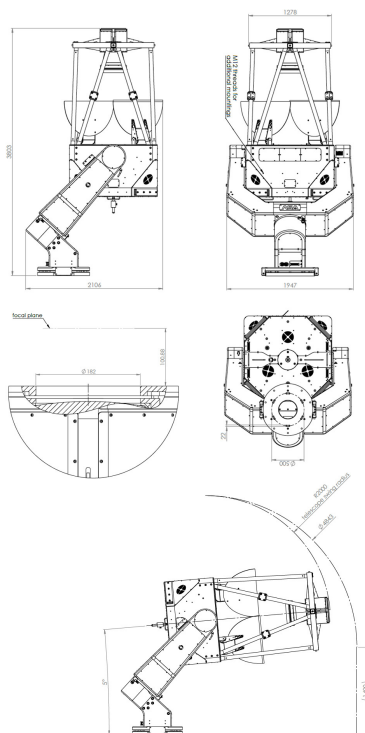


ASA WF1000 f2.5 Wide Field telescope system



ASA WF1000 f2.5 Wide Field telescope system**IDEAL PLATFORM FOR WIDEFIELD IMAGING!**

The WF1000 f2.5 telescope is the ideal platform for wide field imaging and all-sky surveys. The WF1000 f2.5 features a 5-lens corrector and motorized focusing with absolute encoders.

The main mirror can be collimated fully electronic to allow an easy and fast remote collimation.

The WF1000 ensures precise focus and high-resolution data acquisition of the night sky – in the shortest possible time!

Main Facts**Optical design**

Wide Field, prime corrector

Linear central obstruction

42%

Focal length

2500mm

Focal ratio system

f2.5

Clear Aperture / Focal Ratio Primary Mirror

1000mm (39.3 inch) / f2.5

Image field

130mm (2.98 degrees)

Mirror material

Fused silica

Image Quality FWHM

<8µm RMS

Surface quality

>80 strehl

Microroughness

1.3nm RMS / <0.7nm Ra

Coating

Al+SiO₂ >96%

Back Focus from flange

100.88mm

Weight tube

1950kg (4300lbs) (no camera or filter)

Motor

ASA Direct Drive

Latitude Range

20 to 80 degrees views

Software

ASA API (application programming interface) available autumn 2023 ASA Software(Autoslew, Sequence-windows based, ACC) with ASCOM-Alpaca

Max. slew speeds

Up to 50 degrees per second

Pointing Accuracy (20° to 85°)

<8" RMS with pointing model and ASA telescope

Tracking Accuracy (20° to 85°)

<0.25" RMS within 5 minutes tracking time over 5 min 0.05" RMS/min

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