

ASA UWF1000 f1.3 Ultra Wide Field telescope system



ASA UWF1000 f1.3 Ultra Wide Field telescope system**IDEAL PLATFORM FOR WIDE FIELD IMAGING!**

The UWF1000 f1.3 telescope is the ideal platform for wide field imaging and all-sky surveys. The UWF1000 f1.3 features a highly aspheric 5-lens corrector and motorized focusing with absolute encoders. The main mirror and the corrector can be collimated fully electronic to allow an easy and fast remote collimation.

The UWF1000 ensures precise focus and high-resolution data acquisition of the night sky – in the shortest possible time!

Main Facts**Optical design**

Ultra Wide Field, prime corrector

Linear central obstruction

48%

Focal length

1300mm

Focal ratio system

f1.3

Clear Aperture / Focal Ratio Primary Mirror

1000mm (39.3 inch) / f1.3

Image field

84mm (3.70 degrees)

Mirror material

Fused silica

Image Quality FWHM

<4μm RMS

Surface quality

>80 strehl

Microroughness

1.3nm RMS / <0.7nm Ra

Coating

Al+SiO₂ >96%

Back Focus from flange

81mm

Weight tube

1900kg (4189lbs) (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

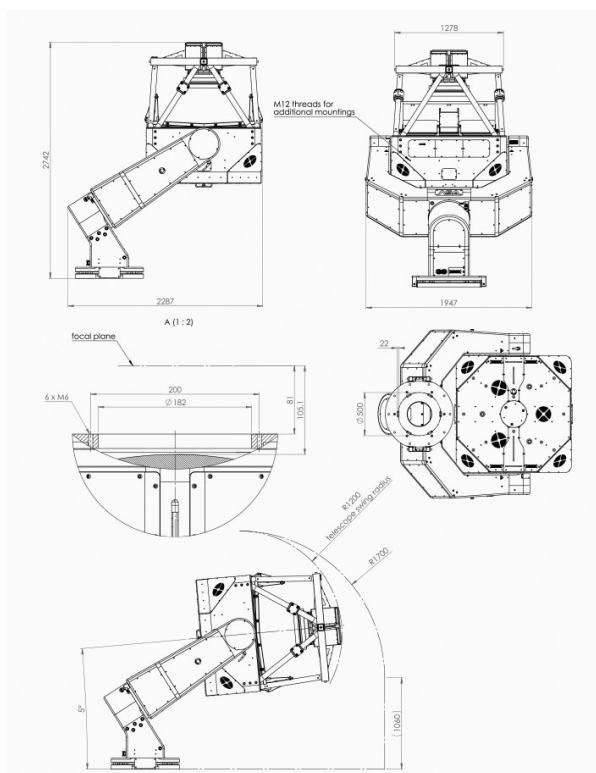
Up to 50 degrees per second

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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