

ASA UWF300 f1.3 + DDM100 + wedge



ASA UWF300 f1.3 + DDM100 + wedge**ONE OF THE FASTEST TELESCOPES OF THE WORLD!**

The UWF300_1 package combines the highly-corrected 300mm f1.3 UWF OTA with our outstanding DDM100 mount. This groundbreaking optical design is ideal for short exposure, high SNR wide field surveys. The main mirror works with absolute encoder feedback and can be collimated fully electronic for an easy and fast remote collimation. The DDM100 direct-drive mount is a precision platform ready for fully automated imaging.

Main Facts**Optical design**

Ultra Wide Field, prime corrector

Linear central obstruction

51%

Focal length

390mm

Focal ratio system

f1.3

Clear Aperture / Focal Ratio Primary Mirror

300mm (11.8 inch) / f1.3

Image field

52mm (7.58 degrees)

Mirror material

Fused silica

Image Quality FWHM

<7um RMS

Surface quality

>80 strehl

Microroughness

1.3nm RMS / <0.7nm Ra

CoatingAl+SiO₂ >96%**Back Focus from flange**

25.14mm

Weight tube

30kg (66lbs) (no camera or filter)

Motor

ASA Direct Drive

Latitude Range

0 to 90 degrees

Weight mount (without counterweight)

56kg (123lbs)

Software

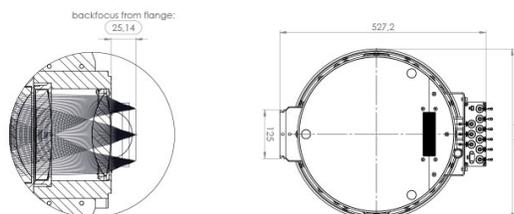
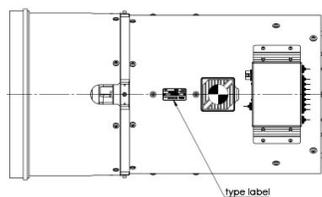
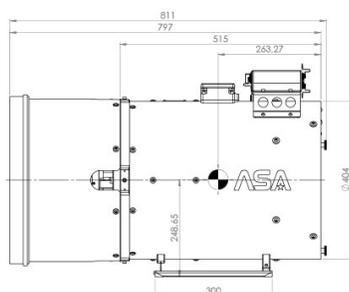
ASA API (application programming interface) available autumn 2023 ASA Software (Autoslew, Sequence-windows based, ACC) with ASCOM-Alpaca

Max. slew speeds

Up to 50 degrees per second

Pointing Accuracy (20° to 85°)

<2" RMS with pointing model and ASA telescope



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