

Design production and assembly is carried out in our ISO certified company with 20 years of experience in telescope making – Made in Austria.

ASA H400

Hyperbolic ASA telescope



ASA H400

ASA OPTIC

- Main mirror optical size is > 400 mm
- Resolution is inversely proportional to the size of the primary mirror. The larger the diameter of the mirror, the better the theoretical resolution. A larger telescope theoretically can resolve more details than a small telescope at a given wavelength.
- Mirror material: Fused silica (quartz), ultra-low thermal expansion $0.55e-6/^{\circ}C$
- Guaranteed surface quality: $\lambda/24$ RMS wave front accuracy (>94% Strehl)
- The mirrors are made in our own optics production facility

We recommend our mount ASA DDM100:

ASA Direct Drive

- To achieve the given resolution of a telescope system the tracking performance of the mount is a significant factor
- Equipped with high-res absolute encoders no homing is necessary
- Typical pointing accuracy is < 8" RMS with pointing model
- Tracking accuracy < 0,25" RMS within 5 minutes
- Slewing speed is up to 10° per second

ASA Software

The TCU (telescope control unit), is an integrated part of the telescope and controls all ASA hardware components. The communication between the TCU and user interface runs on an external, customer owned computer using a TCP/IP interface based on a proprietary ASA protocol.

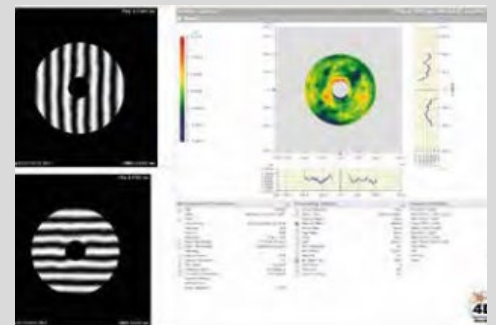
The customer is free to choose on which operating system he wants to install the client user interface. You can choose between Linux (tested on Ubuntu 18.04 LTS), Mac OSX and Windows 10.

In addition to operation via a graphical user interface (GUI), the individual ASA components can also be controlled by a Software Development Kit (SDK)*. Special add ons like the high precision tracking of satellites (Two Line Elements – TLE and Consolidated Prediction Format – CPF) are available.

*Additional software add-ons are not included in the basic price



Dew cap



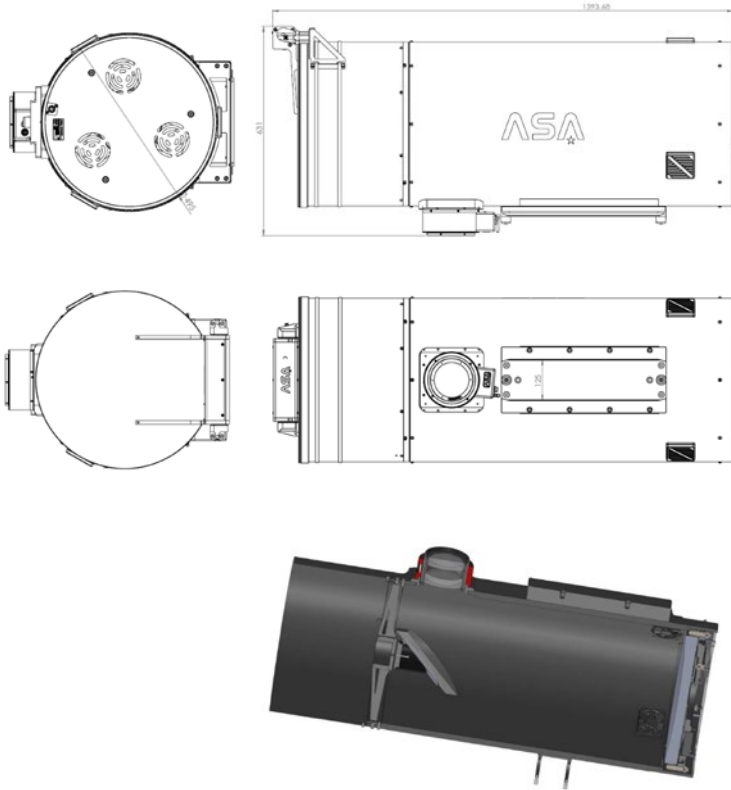
Optic



ASA Direct Drive



ASA H400 in Spain



INCLUDED WITH DELIVERY

- Carbon tube with mirrors
- AAF 5 focuser
- Mounting plate for ASA mounts
- 4 lens corrector
- Laser collimation kit
- Dust protection
- Robotic tube cover
- Transport case

ASA AZ800 DIMENSIONS

Weight: 67 kg (148 lbs)

MATERIALS USED

- Carbon
- High-end aluminum, CNC machined

OPTIONAL

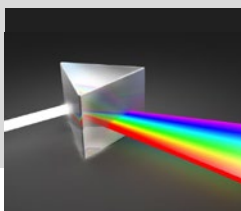
- ASA camera adapter
- ASA off axis guider
- ASA Direct Drive mounts

ASA H400 APPLICATIONS

ASTRONOMY



SPECTROSCOPY



SPACE DEBRIS DETECTION



SATELLITE LASER RANGING



LASER COMMUNICATION



QUANTUM KEY DISTRIBUTION

