

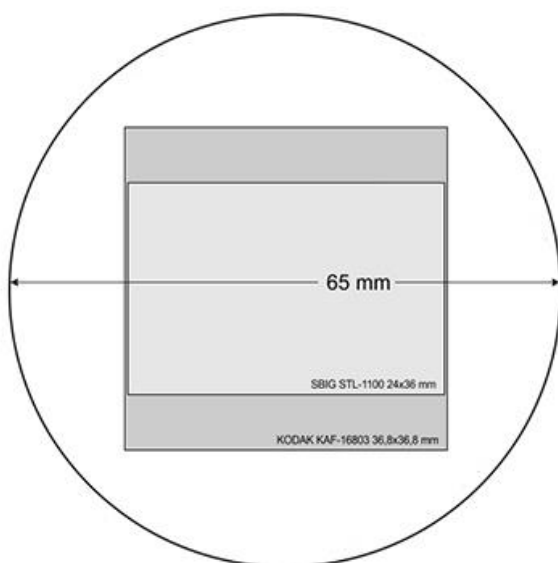
4" RC Flat-Field-Corrector AFFC-1

Delivered to telescope year of construction 12/2018



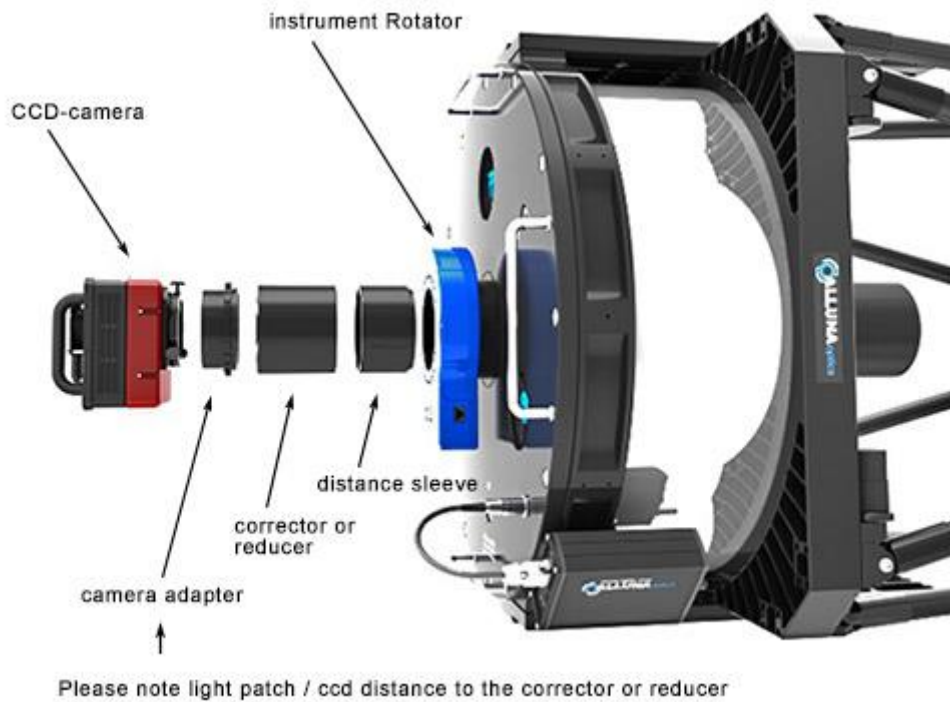
An RC-telescope has the great advantage that it can be used on a relatively large field without corrective lenses. Visually and with small CCD sensors there is no field correction needed. Like all telescopic systems the RC also needs correction of the image field for photographic use with large fields.

The Alluna 4" flat-field-corrector **AFFC-1** is calculated specifically for our RC telescopes and is simply screwed into the M100x1 telescope output. Everything is tight, nothing can shake. The useable field image is 65 mm. The stars are pinpoints to the edge of the image field. The two lenses have a diameter of 94 mm, the free clearance is 92 mm, the coating of all surfaces is 400-900 nm. The focal length is extended from f/8.0 to f/8.1. Spectral bandwidth is optimized to 404 - 1050 nm.

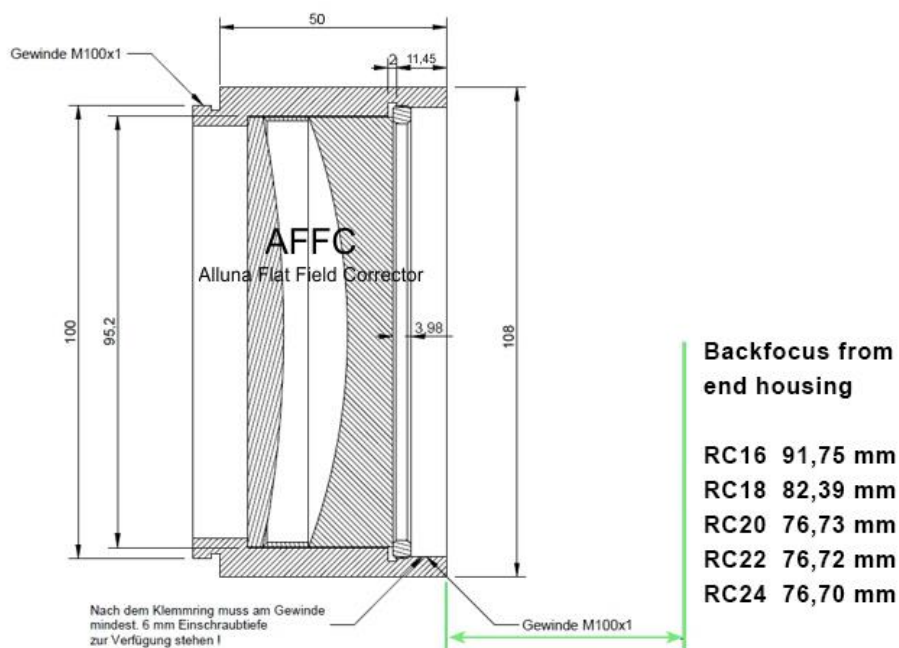


Into usable field, for example, the full-frame CCD sensor Kodak KAF 16803 sensor with 36,8x36,8 mm and a diagonal of 52.1 mm fits easily. Sensors with 45x45 mm / 64 mm diagonal can also be used.

For example connection plan:



Dimension and CCD level **AFFC-1**



* Please note the light path of your camera, with or without filter, for the manufacturing of the appropriate adapters.

Spot Diagram with AFFC / example RC20

