

VIP-3010 BIG PARACORR™ Type-2

The new wave of faster parabolic mirrors has given rise to the growth of ever larger aperture Dobsonian mounted Newtonians for the amateur astronomer. These large and fast instruments have the distinct benefits of delivering greater true fields and can eliminate climbing ladders. However, their performance was severely limited by the extreme coma produced as a natural consequence of the primary mirror's shape. With the successful development of our Paracorr type 2, for full-field correction of parabolic mirrors as fast as $f/3$ (coma is reduced to the equivalent of an $f/20$ mirror) we've dramatically improved the optical performance and practicality of large aperture Newtonian/Dobsonian telescopes.

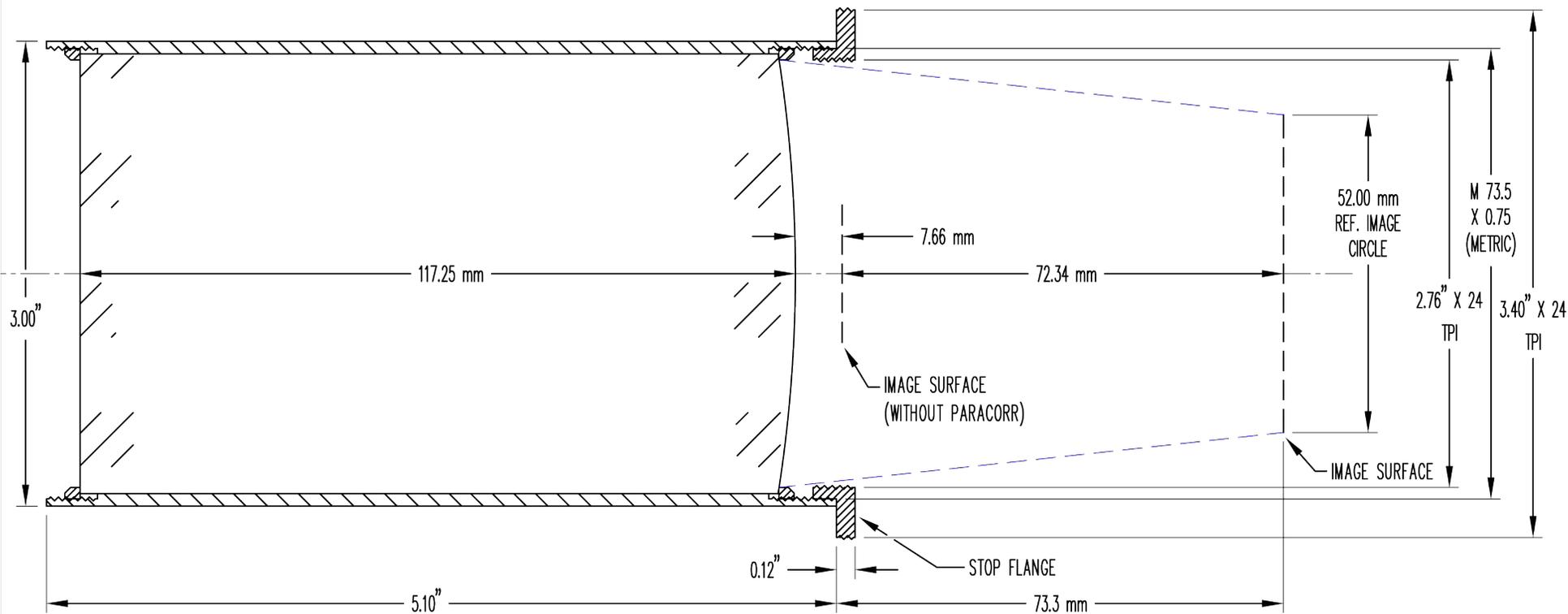
Imagers have started taking notice of the great price vs. aperture value of these fast, large aperture instruments especially when combined with large chip CCD cameras. However, while the 2" Paracorr type 2 was the answer for coma correction, its 2" format limited available light (vignetting) with increasing field angle. The 2" format is fine visually since secondary mirror size limits maximum exit pupil diameter to around 7mm. The widest true field eyepiece choice with an $f/3$ ($f/3.45$ when used with Paracorr) is, therefore, Tele Vue's own 21mm Ethos which delivers a 6.1mm exit pupil at $f/3.45$.

The new Big Paracorr, designed by Paul Dellechiaie of Tele Vue, was created to extend the Paracorr type 2's optical benefits for imaging applications by amateurs and professionals using CCD formats as large as 52mm diagonal. Back focal length has been extended to 80mm to allow for additional accessories to be placed in the optical path. The 5.1" length optical assembly is topped with a "stop" flange having 3.40"-24 pitch threads to handle various equipment applications.

For dual-purpose photo/visual scopes, an adapter will be available that accepts the tunable top from the standard 2" Paracorr type 2. As noted above, the 21mm Ethos with its 26.3mm field stop diameter delivers the maximum field of view at the maximum practical exit pupil size that can be used at $f/3$. If you have a 35mm format DSLR or CCD camera, this adapter will accept Tele Vue Imaging System accessories.



Big Paracorr type 2 Newtonian coma corrector • 3" O.D. • 15% magnification factor • removeable top flange 3.40"-24 threads • 80mm Back Focus • Prime Focus moves 72.3mm out from native focus position • Weight: 24 oz. • Length to base of flange: 5.1"



VIP-3010 BIG PARACORRTM Type-2



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