



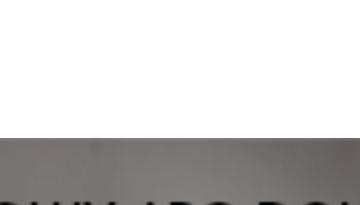
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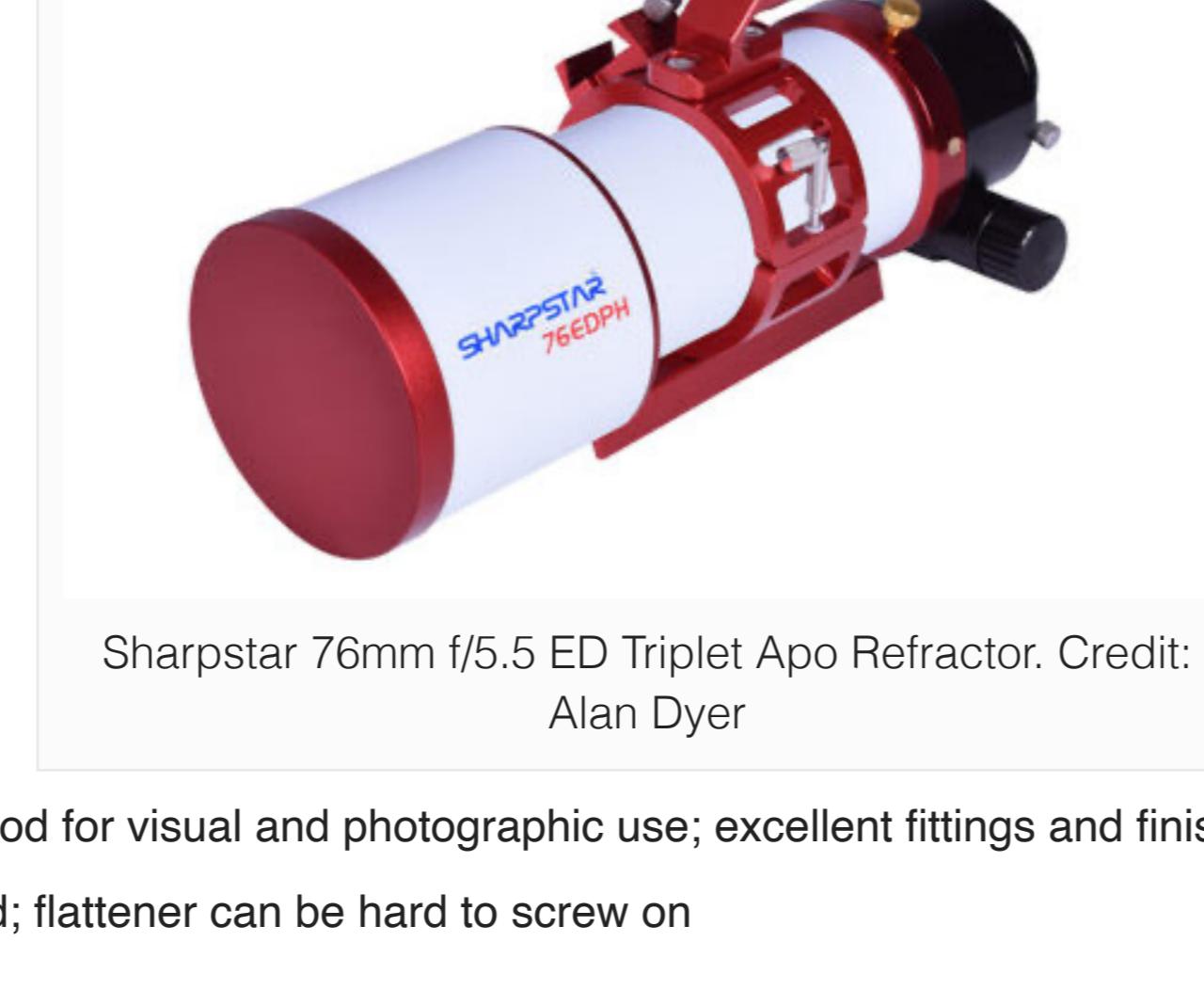


## Review: SharpStar's 76EDPH 76mm Apo Refractor

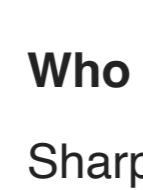
Home &gt; Reviews &gt; Telescopes &gt; Review: SharpStar's 76EDPH 76mm Apo Refractor

By: Alan Dyer

Published: May 30, 2020



Sharpstar 76mm f/5.5 ED Triplet Apo Refractor. Credit: Alan Dyer

**Plus:** Superb optics, good for visual and photographic use; excellent fittings and finish**Minus:** No case provided; flattener can be hard to screw on

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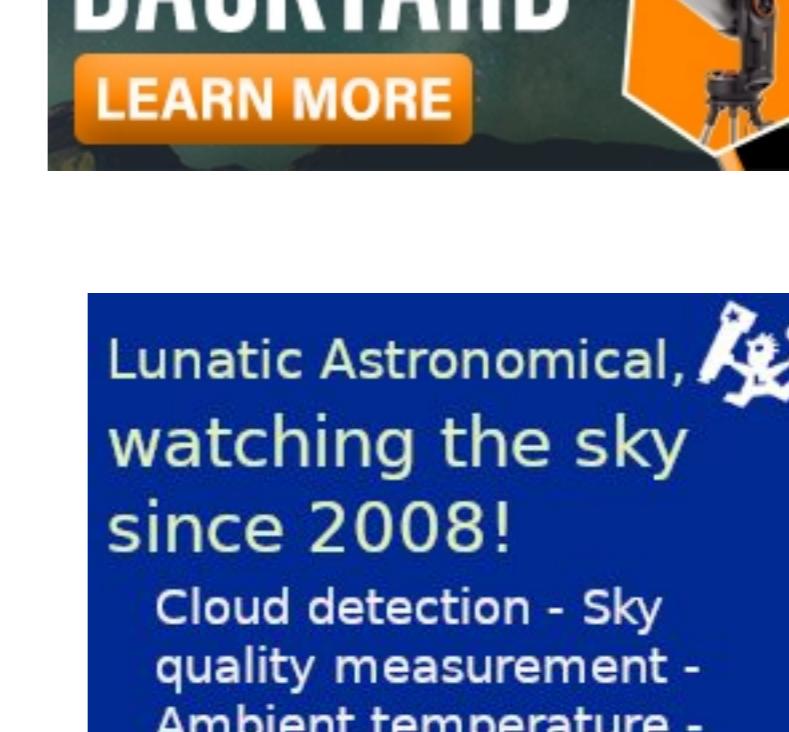
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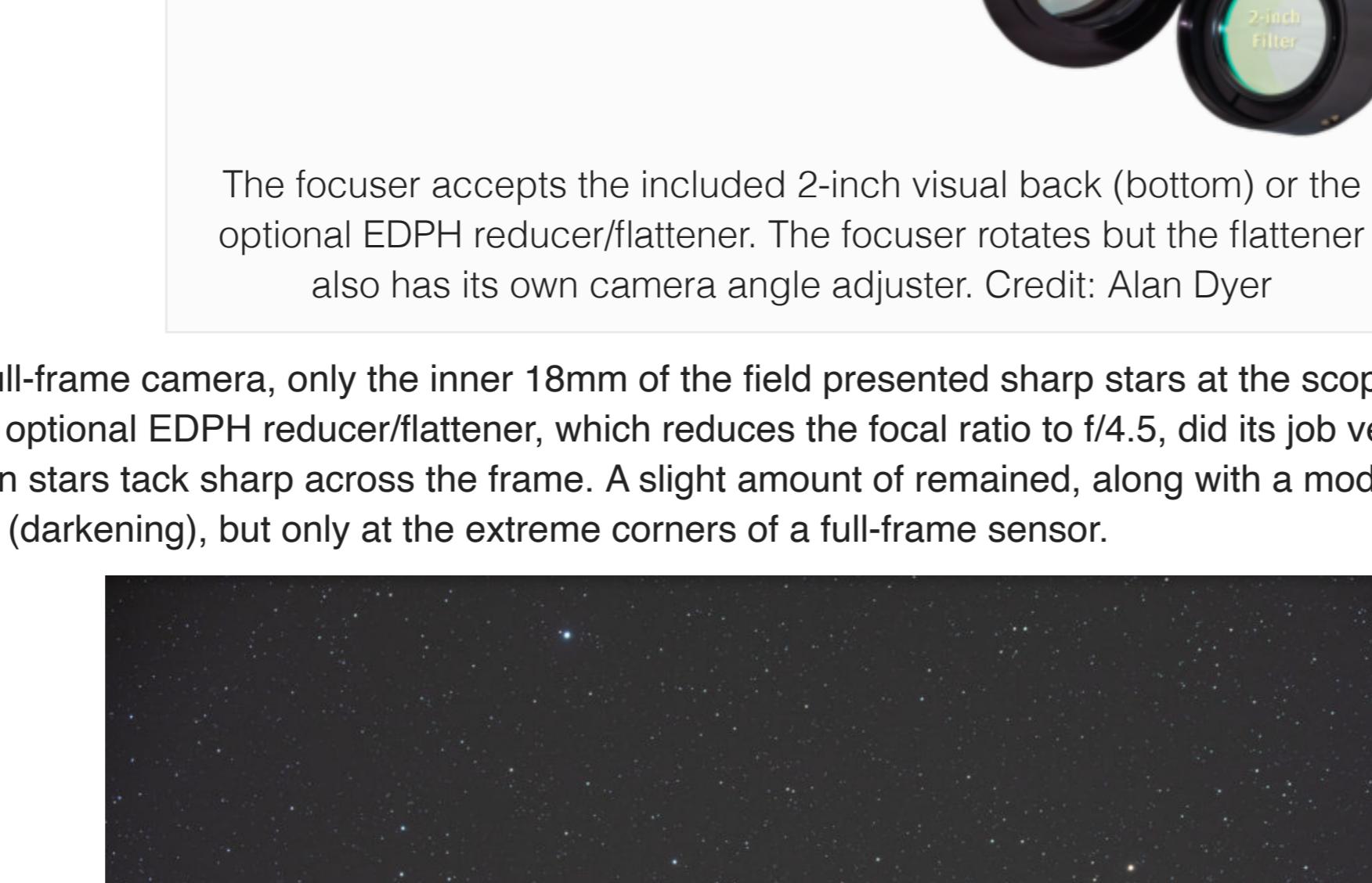
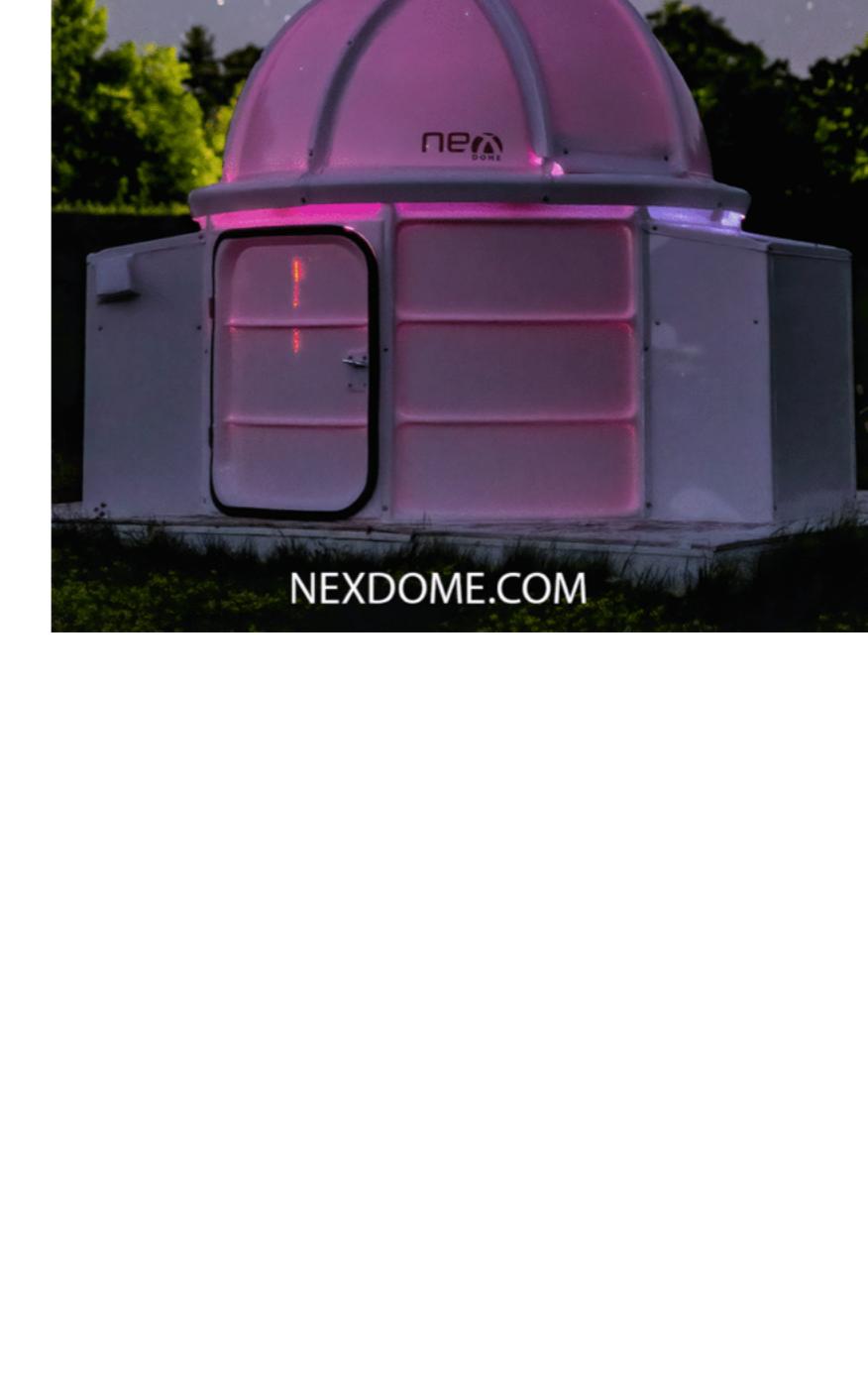
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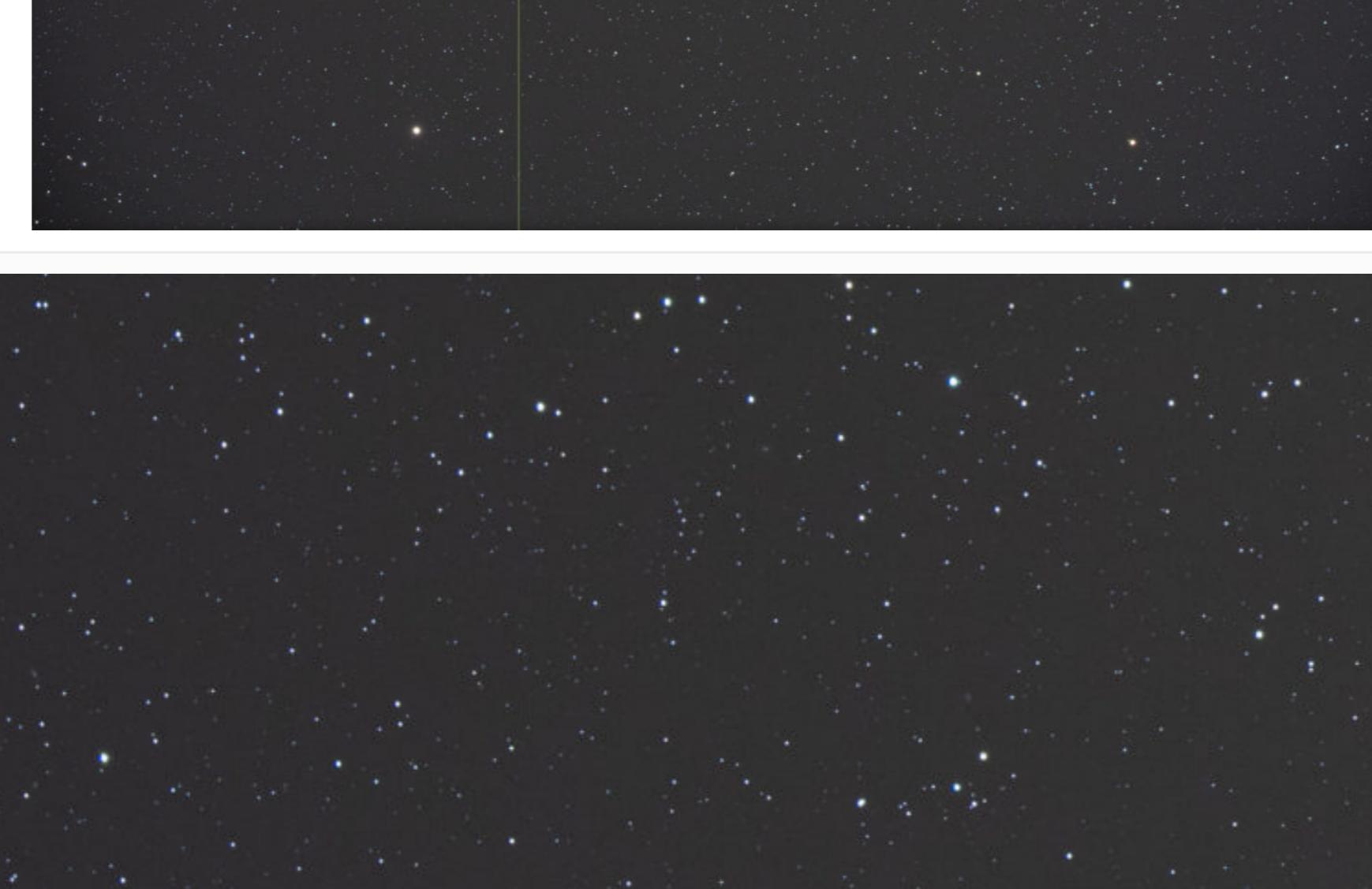
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The focuser accepts the included 2-inch visual back (bottom) or the optional EDPH reducer/flattener. The focuser rotates but the flattener also has its own camera angle adjuster. Credit: Alan Dyer

Using a full-frame camera, only the inner 18mm of the field presented sharp stars at the scope's native f/5.5 focal ratio. The optional EDPH reducer/flattener, which reduces the focal ratio to f/4.5, did its job very well, though, resulting in stars that are sharp across the frame. A slight amount of remained, along with a modest 0.8-stop of vignetting (darkening), but only at the extreme corners of a full-frame sensor.



In test images, the 76EDPH proved its merit as a fast 340mm focal length astrograph, providing a 4° x 6° field with a full-frame sensor. The reducer/flattener is designed for the 55mm back focus requirements of DSLRs, with M48 male thread on the camera side for attaching T-rings and other camera adapters.

One drawback of the flattener lens is that the very fine M74 threads on it and the focuser can be difficult to mate.

That design annoyance aside, I consider the 76mm a match, both optically and mechanically, for the best apochromats on the market, and at a very reasonable price for its performance.

**MSRP:**

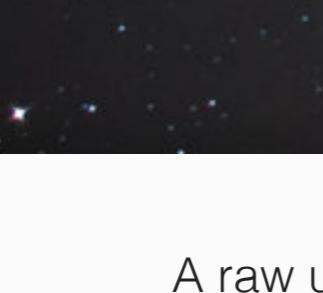
Sharpstar 76mm EDPH refractor: \$829

Optional Reducer/Flattener: \$250

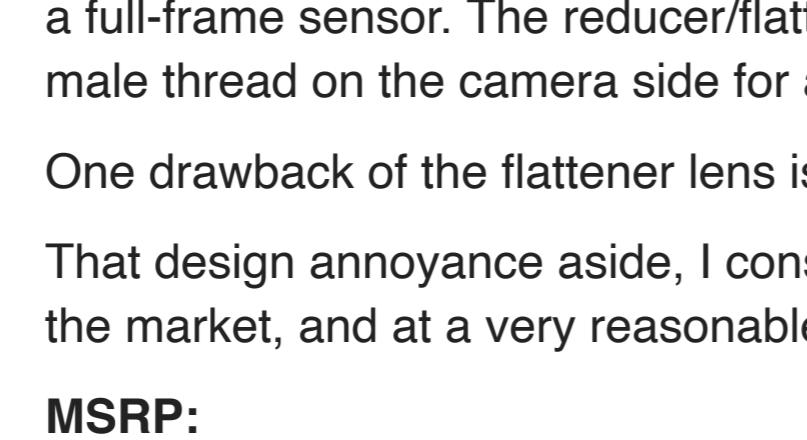
**Website:** [www.sharpstar-optics.com/index.php/en](http://www.sharpstar-optics.com/index.php/en)**EVOLUX APO DOUBLETS. JUST PERFECT.**

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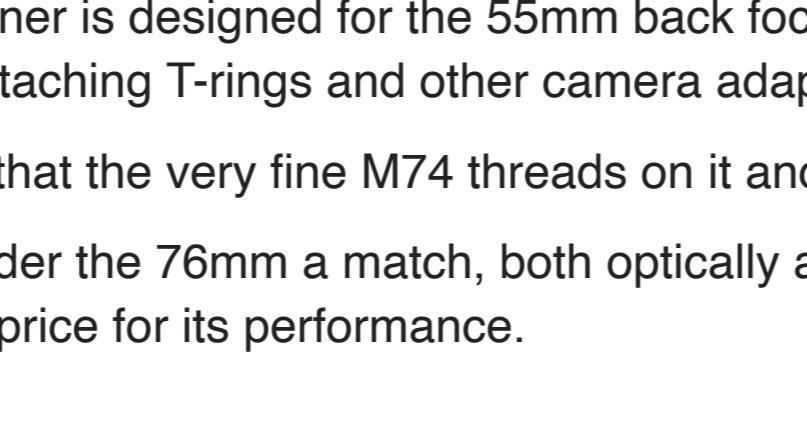
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**About Alan Dyer**

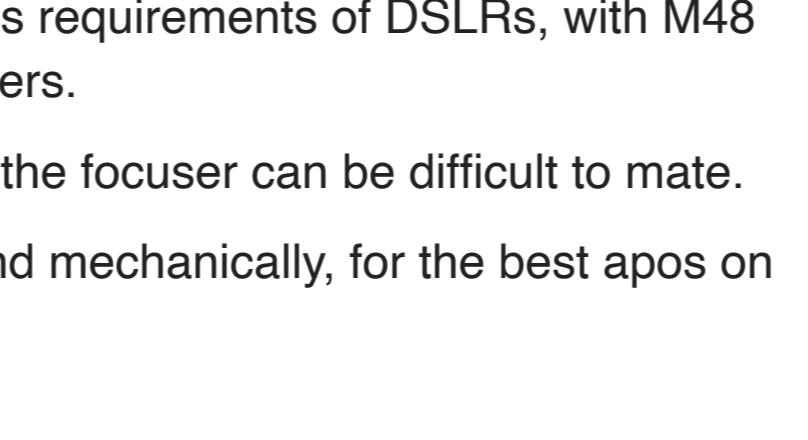
About Alan Dyer

<http://www.amazingsky.com>Alan Dyer is an astrophotographer and astronomy author based in Alberta, Canada. His website at [www.amazingsky.com](http://www.amazingsky.com) has galleries of his images, plus links to his product review blog posts, video tutorials, and eBooks on astrophotography.**RELATED POSTS****Unistellar eVscope eQuinox II Smart Telescope Review**

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