

ASTRO-PHYSICS

130mm f6.3 StarFire EDF



Astro-Physics introduced the prototype of this new triplet apochromatic refractor at the Northeast Astronomy Forum (NEAF) on April 28, 2007. Although we called this updated scope a Traveler at NEAF, we have decided it would cause far too much confusion to have both a 105 and 130 version of the Traveler. Over the years, people have referred to the original 105f6 version as the "Traveler". There is one and only one Traveler. Unless we think of another nifty name (to reflect the new features described below), this new 130f6 will retain its StarFire heritage.

The new compact, lightweight tube assembly can be disassembled into three parts to fit into your carry-on luggage. We have also incorporated a rotating focuser collar that will enable you to frame your photos for optimal, artistic composition. Our dedicated 2.7" Prime Focus Field Flattener (67PF56) will provide pinpoint images across the field.

The triplet lens is the same extraordinary quality that you have come to expect from Astro-Physics. It will feature the latest multi-coating technology that we use for our 160mm StarFire.

Production will begin in the summer of 2007 with the first deliveries expected by the end of the year or early 2008. We plan to offer these instruments to people on our 130 f6 notification list. We invite you to sign up on our website. Click *Availability* on the sidebar and locate the link to the notification list.



In the final version, all components will have covers for both sides and the foam will be a custom insert. We plan to offer this case as an option for travel. The case that will be included with the 130 f6 will allow you to leave the scope fully assembled.

Specifications

Color correction:	Less than +- 0.006% from 706nm to 430nm (r to g wavelengths)
Clear aperture:	130mm (5.12")
Focal length:	819mm (32.25")
Photographic speed:	f6.3
Theoretical resolution:	0.87 arc seconds
Lens Design:	Oil-spaced apochromatic triplet in precision-machined, push-pull cell
Coatings:	Multi-layer, broadband, overall transmission 97% in peak visual wavelengths
Magnification:	22x to 500x
Tube:	White, 4.7" diameter, machined aluminum, fully baffled, flat black interior, push-pull lens cell, engraved retaining ring. Convertible for travel.
Focuser type:	2.7" I.D. Focuser with rotating collar, rack and pinion with FeatherTouch Micro 9:1 dual-speed reduction, 4.4" travel, 2" and 1.25" adapters.
Telescope length:	698mm (27.5") with the dewcap fully retracted
Dewcap:	Retractable, 152mm (6") OD including paint thickness
Weight with dewcap:	6.8kg (15 lbs.)

Photographic Field

35mm Photographic field at prime focus:	1.6 x 2.3 degrees @ f6.3
35mm Photographic field with 2.7" telecompressor (27TVPH):	2.1 x 3.1 degrees @ f4.7
35mm Photographic field w/ 2X Barlow:	0.6 x 0.85 degrees @ f12.6
6x7cm Photographic field at prime focus:	4.2 x 5 degrees @ f6.3

Specifications subject to change