

# DAYSTAR FILTERS

## QUARK

QUARK  
QUICK  
CHEAP  
EASY  
FUN

H-Alpha  
"Eyepiece"



Daystar Instruments QUARK is the first Hydrogen Alpha "Eyepiece"

This new, All-In-One design marries high quality components of a telecentric barlow, adapters, snouts and Daystar Hydrogen Alpha filter into one simple assembly.

For use on refractors of F/4 to F/9, the user needn't worry about configurations. Just insert in your diagonal, add an eyepiece and view.

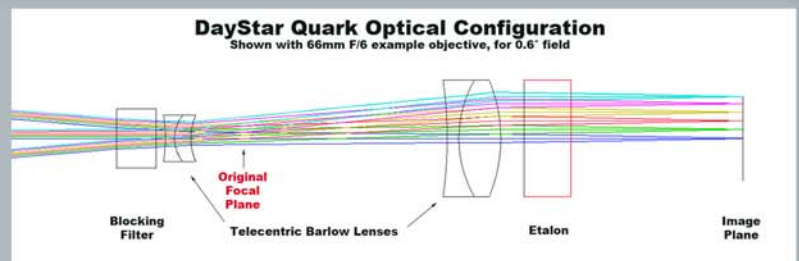
The QUARK contains a custom Daystar Instruments 4.3X telecentric barlow lens fully optimized in coatings and optical design specifically for the Hydrogen Alpha wavelength.

The fully optimized design eliminates the need for any adapters. It's all combined in one lightweight eyepiece sized device. The new, compact design configuration eliminates unnecessary components, weight and cost. We even reduced power consumption, so the Quark can now operate all day off a small, palm-sized optional battery pack. Baffles have been added to increase contrast and AR coatings are optimized for the 656nm wavelength.

*Quark is available in a choice of "Prominence" or "Chromosphere"  
~ Choose either for the same, low price of \$1,195.00 ~*

Now observers can buy a filter based on their desired observing goals instead of their budget. Choose prominences or surface (Chromosphere) detail. Both are available for the same low price!

The QUARK optical assembly has been designed from end-to-end for superior performance. Truly telecentric barlow lens prescriptions were optimized and AR coated specifically to perform at the 656nm wavelength.



QUARK's fully dedicated design reduces excess weight, reduces costs, saves power and increases contrast.

*\*The QUARK assembly is a product of DayStar Instruments, using DayStar Filters' Fabry Perot etalon technology.*

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### FEATURES:

- 1.25" or 2.0" combo eyepiece snouts with safety indent slot directly into your diagonal
  - For apertures over 80mm\*, suggest UV/IR application before diagonal for Energy Rejection.
  - Standard 1.25 eyepiece drawtube output with optional 2" and SCT accessories available.
  - Brass compression ring to protect eyepiece.
  - Uses USB power, 5v 1.5amp
  - Includes 90-240VAC wall adapter with international plug adapters.
  - Tuning knob allows wing shifting +/- 0.5Å with detents at every 0.1Å
  - LED indicator for power, warming, ready, fault
  - 5 year warranty,
  - Optional 8-hour battery pack available.
  - Integrated, fully baffled 2 element telecentric 4.3X barlow optimized for 656nm
  - Integrated 12mm blocking filter
  - 21mm clear filter aperture
  - Best performance with F/4 - F/8 refractors
  - Full disk viewing possible on refractors up to ~450mm focal length.
  - No aperture limitations.
- May be used on larger refractors for higher magnification views
- Ships in convenient Twist-Case for safe, dust-free storage.
  - Not suited for off-axis application.

*\*All dedicated solar tracking applications should employ energy rejection*

QUARK's are qualified in a choice of Prominence or Chromosphere.

Due to variation in the end user application, we cannot specify the precise FWHM of the filter.

Instead, units of 0.8 - 0.6Å are classified as PROMINENCE and units of 0.5 - 0.3Å are classified as CHROMOSPHERE

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### Daystar Quark Configuration on Refractor with Rear Mount UV/IR Cut ERF

