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Explore Scientific ED APO 127 F / 7.5 is the top device for astrophotography. The three-element APO lens with an air-spaced aperture made of low-dispersion ED glass by HOYA ensures perfect color reproduction in the large field of view. The field's depth, a critical element in Deep Space astrophotography, is provided by a dedicated flattener with a T2 thread and a bayonet adapter adapted for Canon EOS cameras. The entirety of the set, taking into account the rich equipment, attention to the details of mechanical solutions and the quality of optics, is the subject of many even very demanding observers' dreams. Characteristics

- true apochromatic triplet with an air break with parameters 127/952 f / 7.5, from Hoya FCD1 ( Dense Fluor Crown ) ED glass
- all optical surfaces covered with anti-reflective layers EMD (TM) ensure very high efficiency of the system
- metal lens cell has the possibility of collimating the optics; for collimation, just remove the telescope stringer to gain access to the adjustment screws
- the tube is equipped with internal diaphragms and carefully matt blackened, thanks to which the reflections are practically eliminated
- retractable diffuser slows the dew condensation process on the lens optics and effectively reduces glare during daytime observation

Elements of the set

- optical tube APO ED 127 f / 7.5 carbon fiber
- Crayford 2 " spectral lift with gears ? 1/10, scale / scale of extension of the extractor, regulation of clamping and position locking
- tube clamp with dovetail (Vixen standard - works with, among others, Explore Scientific, Vixen, Meade LXD55 / 75, Celestron)
- dovetail is equipped with 1/4 inch and 3/8 inch connectors (allowing for mounting the tube on photo tripods)
- 8x50 finder with 6 ° field of view with illuminated grid of adjustable brightness, straight image, terrestrial (correct up-down and left-right), with a scaled field of view (circles equivalent to 1.5 ° ) , 3 ° , 4.5 °
- 2 "90 ° dielectric plug with efficiency of 99% with reduction to 1.25"
- 2 "box equalizer with additional bayonet adapter for Canon EOS
- 2 "25 mm eyepiece with 70 ° field of view
- aluminum case with foam filling for transport and storage

Technical parameters

- Optical system: ED-APO apochromatic triplet
- Lens diameter: 127 mm
- Focal length of the lens: 952.5 mm
- Lighted: f / 7.5
- Switching capacity: 0,9'
- Theoretical range: around 13 mag
- Maximum useful magnification: 255 x
- Glass in the object: HOYA FCD1 (Dense Fluor Crown) ED
- Anti-reflective layers: EMD (Enhanced Multilayer Deposition)
- Length of the optical tube: 99 cm
- Weight: 6.2 kg (without packaging)

Usage Moon the planet star clusters nebulae scenery Warranty 2 years