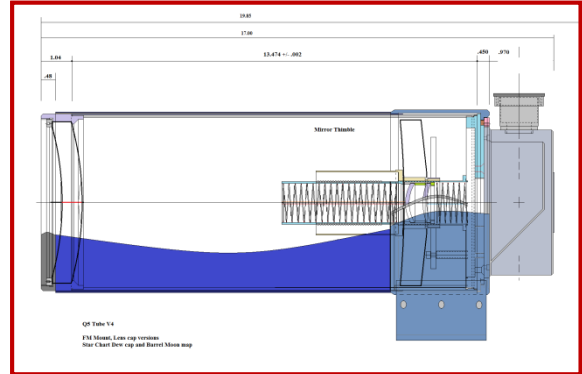




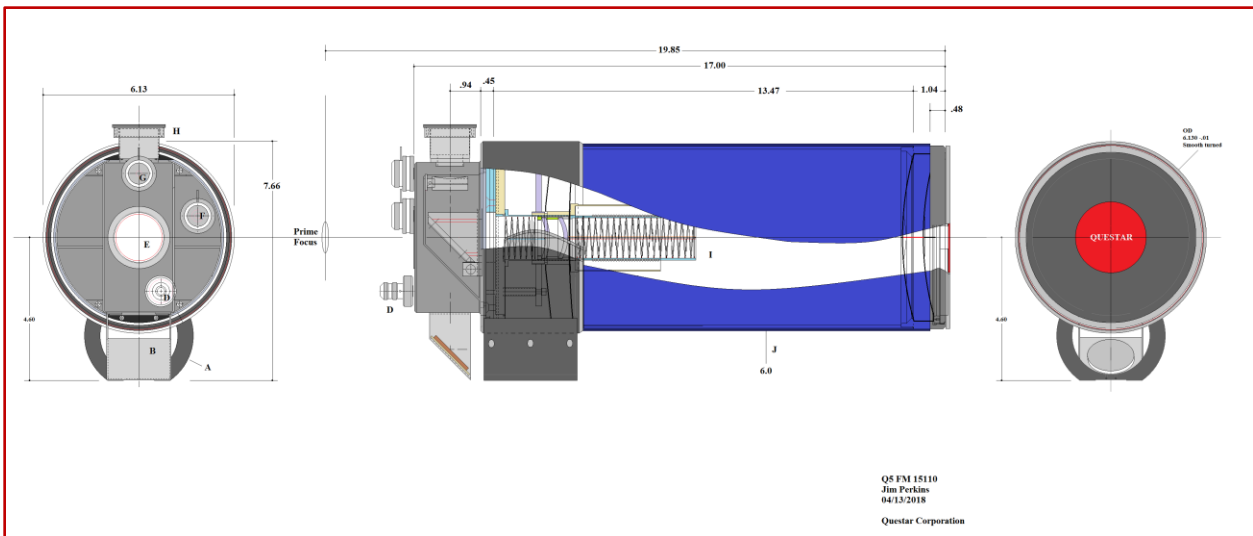
Questar 5 inch Telescope OTA (15110) Specification Sheet

The Questar 5" is the ultimate spotting scope. From 50 feet to Infinity, for situations requiring long focal lengths, no other scope matches the Q5 Field Model's resolution and image contrast. As a telephoto lens, the Field Model is comparable in size to a 500mm f/2.8 lens, and weighs less than 10 pounds. It has all the controls of the Questar 3.5" and 7", giving the observer 3 powers per eyepiece and giving the photographer a separate selectable port for the camera attachment. The Q5 Field Model is designed expressly for terrestrial observation and photography, yet when mounted on a pan head it can also be used successfully for sky observation. It has the same optic and built in functional control elements as the Q5 astronomical units with the exception of the astronomical mount, the moon and star chart barrel covers. The Questar 5 inch Field Model includes the lens cap, 24mm eyepiece (74-148X), built in finder (6.3x), star diagonal mirror flat, Barlow lens for eyepiece port, blue anodized dewcap, basic camera coupling set, and waterproof carrying case. There is room in the case for camera and other small accessories.

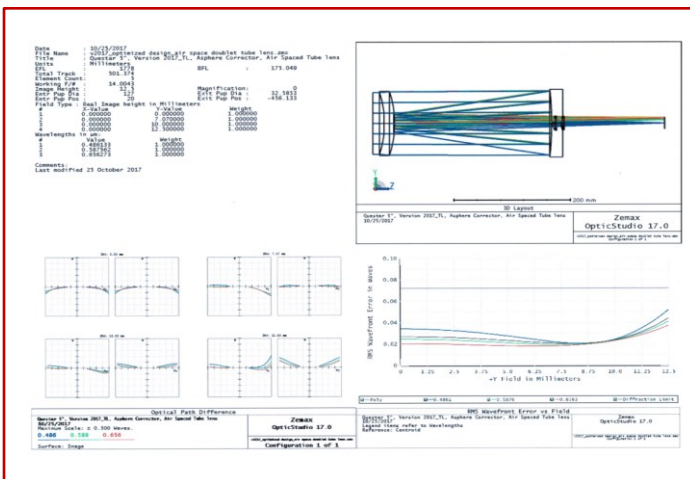


TYPE:	Maksutov Cassegrain Catadioptric. No coma, astigmatism or spherical aberrations at 20mm Ø image plain 1/8W, >diffraction limited at 25mm Ø.
CLEAR APERTURE:	5.0 inches, 127mm (Center Obscuration, 40 mm)
FOCAL LENGTH:	Basic Visual 70 inches, f/14, 1778mm
FOCAL LENGTH:	Camera close, 70 inches, f/14, 1778 mm
FOCAL LENGTH:	Camera with Ext. Tubes, 78 inches, f/15.8, 2000mm
FINDER LENS:	6" (152mm) FL .90" (23mm) Ø, 6.3x, Field 8° with 24mm E/P
POWERS:	Powers are eyepiece dependent and can range from 56x to 296x with Questar Brandon eyepieces, without internal barlow engaged.
RESOLUTION LIMIT:	Resolves .85 sec. Arc at 70" (1778mm) EFL
FIELD OF VIEW:	Photographic mode, 1.1°, visual field of view .89° w32mmEP to .20° w8mmEP
LENS:	BK7, MgF ₂ coated, Center Reflector (40.5mm) ALSiO.
MIRROR:	F2, Pyrex® or Quartz. AlSiO coated 5.53" (138mm) dia.
FIELD CORRECTION:	2 fixed in place elements, Air spaced, BK7 elements, AR coated.
SPECIAL COATINGS:	On special order, broad-band dielectric coating applied to the mirror, which increases its reflectivity. It transmits all frequencies of the visible spectrum and improves total light grasp by approximately 22%.
EYEPIECES:	24 mm Brandon, 45° ap. Field; optional eyepieces of 6mm, 8mm, 12mm, 16mm, 32mm.
AMPLIFYING/BARLOW LENS:	Minus 122.8 mm FL. Approx 1.5X or minus 81.6mm FL approx. 2X.
ERECTING SYSTEM:	Star Diagonal Mirror, 1/8W, Qtz, Enhanced AL coated.
BARREL ASSEMBLY:	Barrel: forged aluminum, machined full length with Blue anodized rolled sheet.
LENS CELL:	Turned Aluminum 24S-T4, black anodized.

REAR CLOSURE PLATE: Turned AL plate, Stainless steel CENTRAL TUBE - precision machined and aligned after assembly.
DEWCAP: Internally black-flocked Synthane seamless tube 1/32" thick, to which is bonded a pre-rolled aluminum anodized sheet.
FOCUSING MECHANISM: Mirror thimble, stainless steel sliding tube. Slides on stainless, fixed, light-baffle tube, Conical SS spring-loaded. Focus rod SS 303, ground shaft, 1/4-32 T.P.I. precision ground threads.
CONTROL BOX: Cast AL, Precision machined and painted, Built-in Barlow, Finder system and multi-port top or rear photographic or EP usage. 1-3/16 x 32 top, 1.645 x 26(P) rear.
KNOBS: Aluminum 24S-T4, corrosion-resistant, hand-turned on turret lathe, stainless steel shafts and levers.
TRIPOD MOUNT: Turned AL, Black anodized, 1/4-20 and 3/8-16 threads, EP rotation +/- 90°
CASE: ABS sealed travel case fully foam lined. 11" x 22" x 8"



A – Tripod Mount
 B – Finder Cage & Mirror Assembly
 C – Finder Lens
 D – Main System Focus
 E – Axial Photographic Port
 F – Main System Prism Actuation Knob
 G – Internal Barlow Actuation Knob
 H – Diopter Adapter Finder Focus, Top Port
 I – Internal Lens & Baffle System
 J - Sliding Dew Cap/Sun Shield



Questar Corporation
 6204 Ingham Road
 New Hope, PA 18938
 USA

Phone: 215-862-5277 or 800-247-9607
 Fax: 215-862-0512
 Email: Questar@QuestarCorporation.com
 Web: www.QuestarCorporation.com