

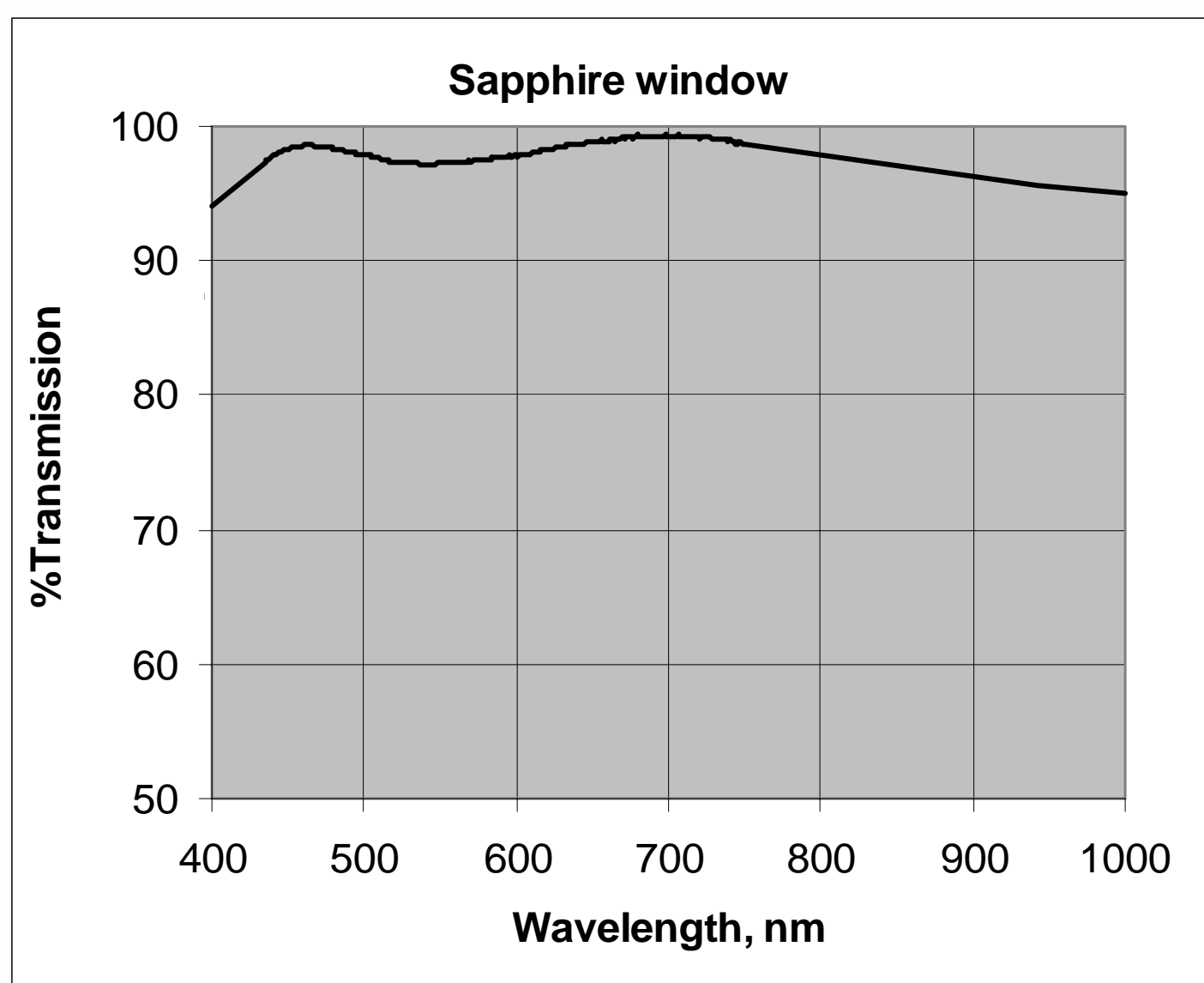
Trifid Nugget camera—our auto-guider

- 648 x 488, 7.5 um wells
- USB 2.0 high speed device
- Optimized for guiding: better sensitivity than 0402 based cameras
- USB bus powered—no power supply required
- Exposure time 0.001 s to 13 s
- Relay outputs
- Very small form factor: 1.3 x 3.3 inches
- Hardware dark subtraction and hot pixel correction
- Lead-free, RHOS compliant construction
- CCDSoft and MaxIm/DL drivers included
- Free guiding software coming (GuideMaster and GuideDog)
- Price: \$495



Trifid Explorer, Trifid-2 and Trifid Gold camera common features

- Patent pending single photon performance
- Full-image frame buffer built into the camera
- CCDSoft and MaxIm/DL drivers included
- USB 2.0 high speed interface
- Anodized aluminum and stainless construction
- Lifetime warranty against defects; Two year cold chamber warranty
- Higher performance and lower price than the competition
- Sapphire window with >94% transmission 400-1,000 nm
99% at Ha and SII; 98% at OIII



Trifid Explorer camera

- 11 Mega-pixel or 16 Mega-pixel design
- 35 mm film sized CCD
- Full frame buffer in the camera for great images even when your computer is old or heavily loaded
- USB 2.0 high-speed interface
- Yankee Robotics low noise design
- 25C of cooling for long, deep exposures
- Monochrome or single-shot color CCD
- Great first cooled CCD camera for someone who learned astro-photography using a DSLR camera
- Expected price of 11 mega-pixel camera: \$3,995
- Expected price of 16 mega-pixel camera: \$5,495
- Coming Q4 2007

Trifid-2 camera—our affordable workhorse

- Two stage TEC cooler
- Water removal of excess heat; Fan version coming in 2007
- 50C of cooling
- 0.1C temperature regulation
- Five vane, black, fast, shutter
- 16-bit Analog to digital converter (ADC)
- Less than 6.5 electrons of noise
KAF-6303E at -20C and gain 1.0 electrons per ADU
- Optional sapphire window
- Argon gas in the cold chamber
Twice the thermal insulation of air or nitrogen
- Price with a 6 mega-pixel, class-2 KAF-6303E: \$6,895



Trifid Gold camera—simply the best

- Our newest camera
- Three stage TEC cooler
- Fan or water removal of excess heat
- CCD down to -40C at up to 35C ambient: 75C of cooling using only the fan
- 0.01C temperature regulation, variable speed fan
- 18-bit images for more signal to noise ratio
- Less than 4.5 electrons of noise with KAF-6303E at -20C
- Hardware Ghost Buster
- Sapphire window standard equipment
- Xenon gas in the cold chamber
Five times the thermal isolation of air or nitrogen
- Conformal coated circuit boards for humid nights
- Price with a 9 mega-pixel, KAF-09000: \$9,975
- Price with a 16 mega-pixel, KAF-16803: \$10,875



Trifid Cyclops filter wheel

- Seven filter positions, easy loading construction
- 50 mm square filters
- USB 2.0 high speed interface
- Less than an inch thick (0.90 inches)
- Including Trifid Gold camera, 1.65 inches of back focus: shortest back focus of all large format cameras including filter wheel
- Lead-free and RHOS compliant construction
- Price \$495 when purchased with a Trifid Gold camera
- Price \$995 when purchased by itself