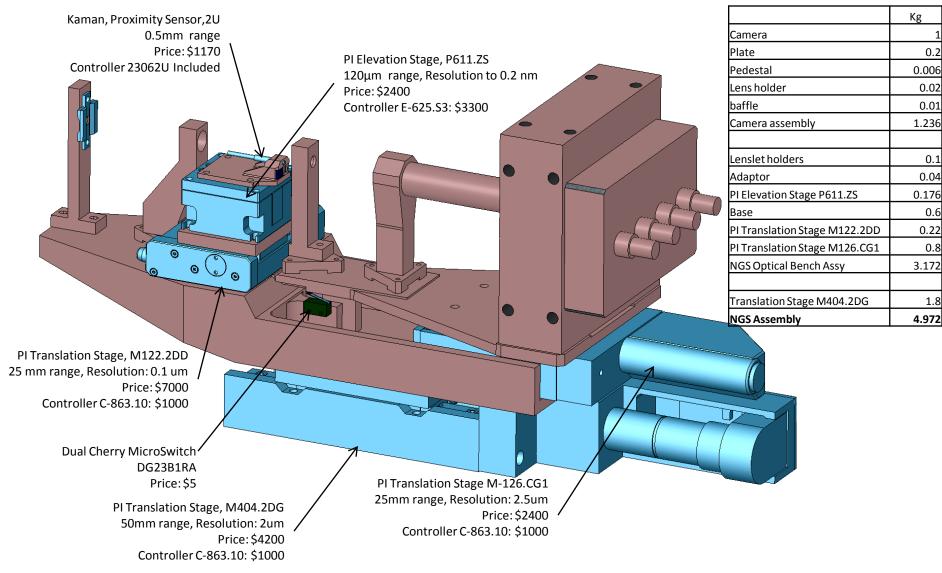
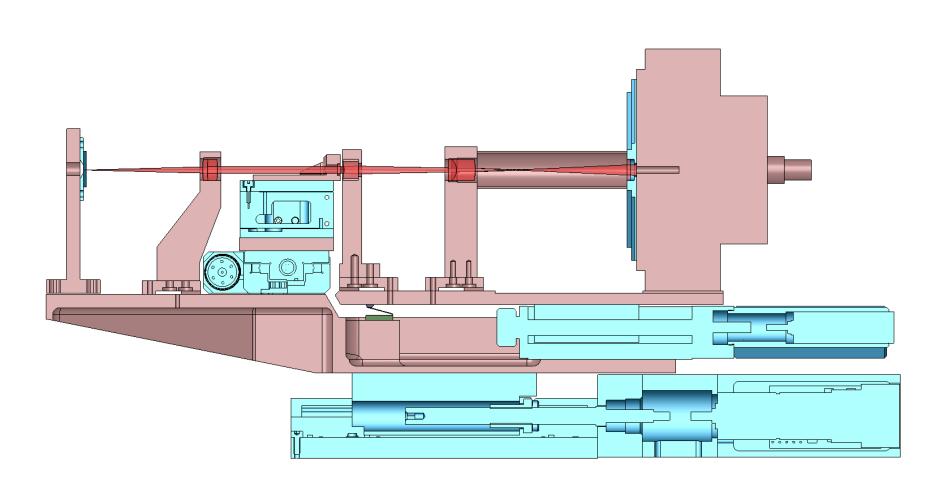
All Stages Rated at -15C Operating Closed loop with integrated encoders





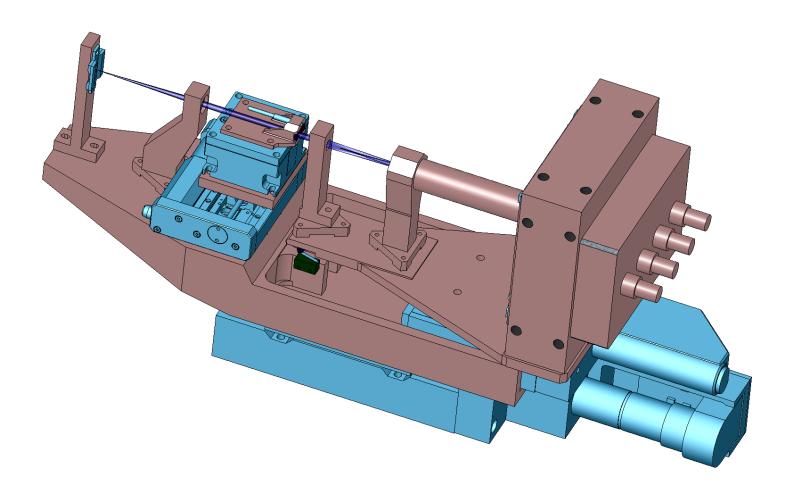


Cross section



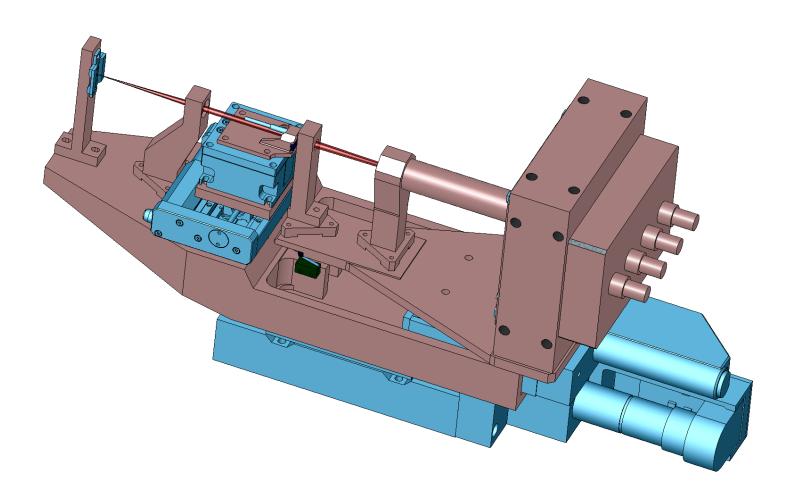


5 x 5



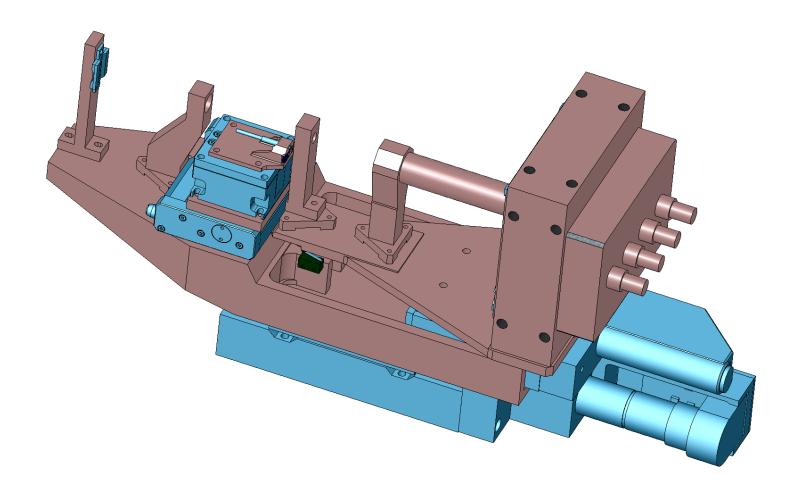


63 x 63





Blank

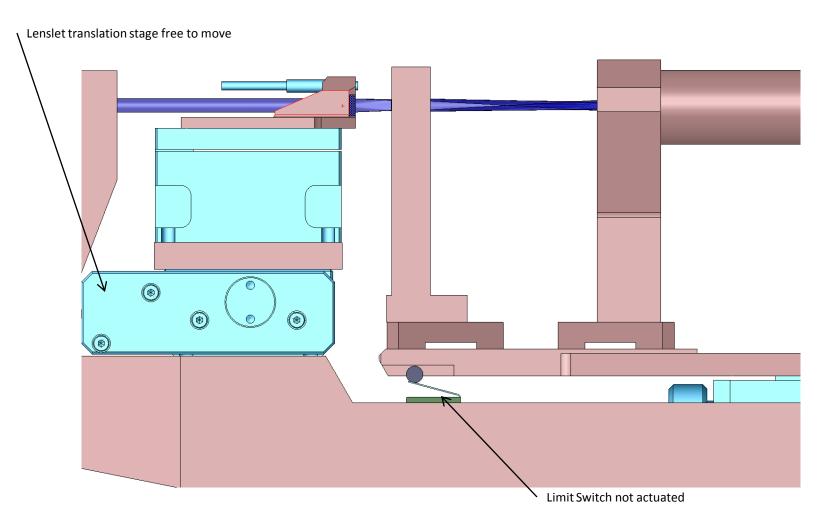


NGS Motion Control Collision avoidance system



5 x 5

The Limit Switch is not actuated and the lenslet translation stage is free to move across its range.



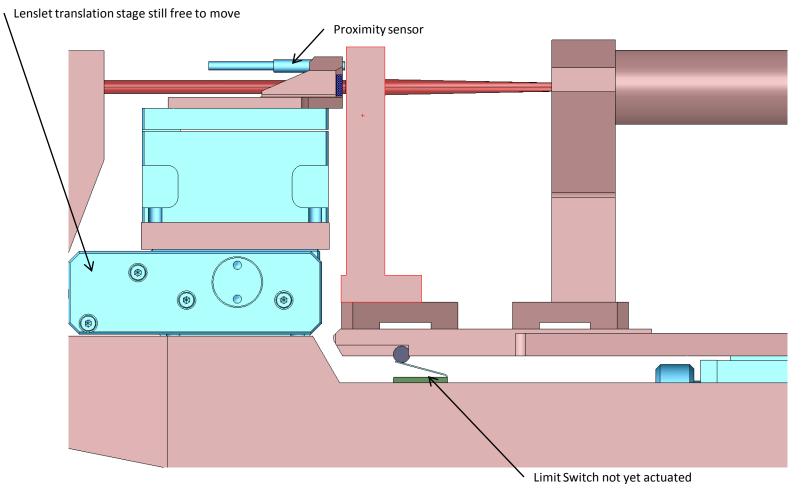
NGS Motion Control Collision avoidance system



63 x 63

The Limit Switch is not actuated yet, although very close, and the lenslet translation stage is still free to move across its range.

The Proximity Switch is ready to stop the Camera Translation stage if necessary.

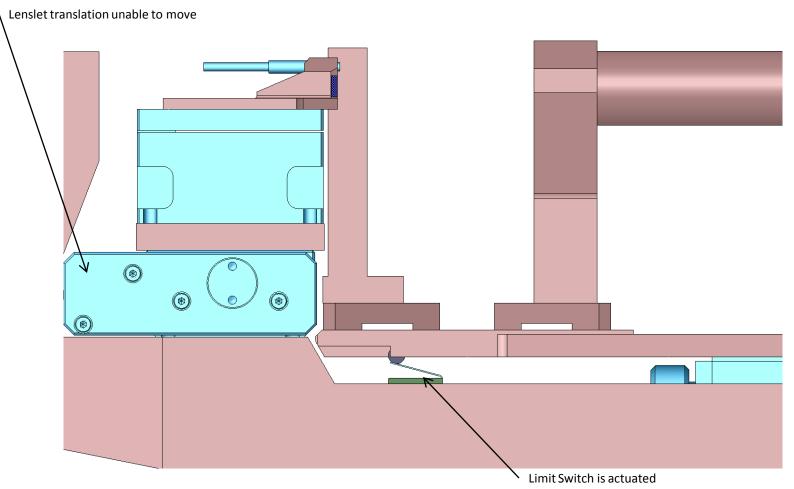


NGS Motion Control Collision avoidance system



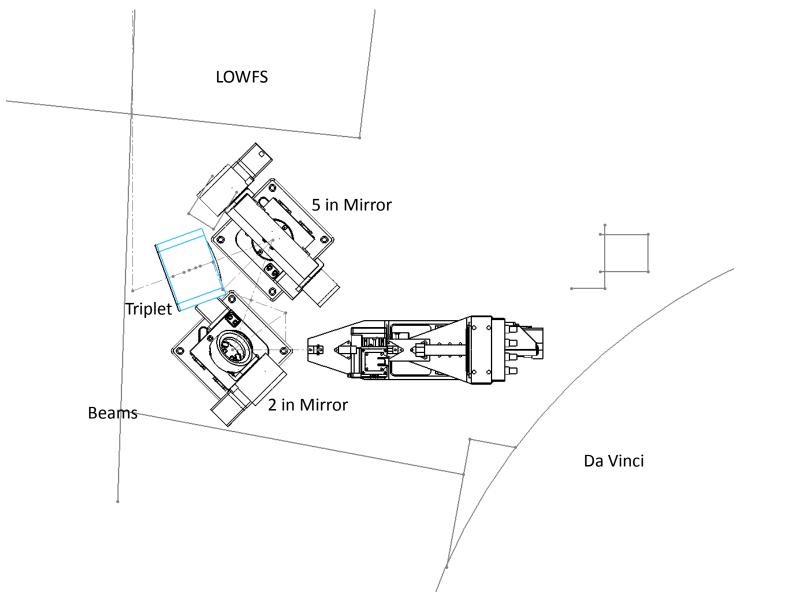
Blank

The Limit Switch is actuated and the lenslet translation stage is unable to move across its range. The limit switch can either be a Normally Closed switch mounted in series with the Lenslet translation or a Normally Open Switch mounted in parallel through a relay, further preventing unnoticed switch failure.



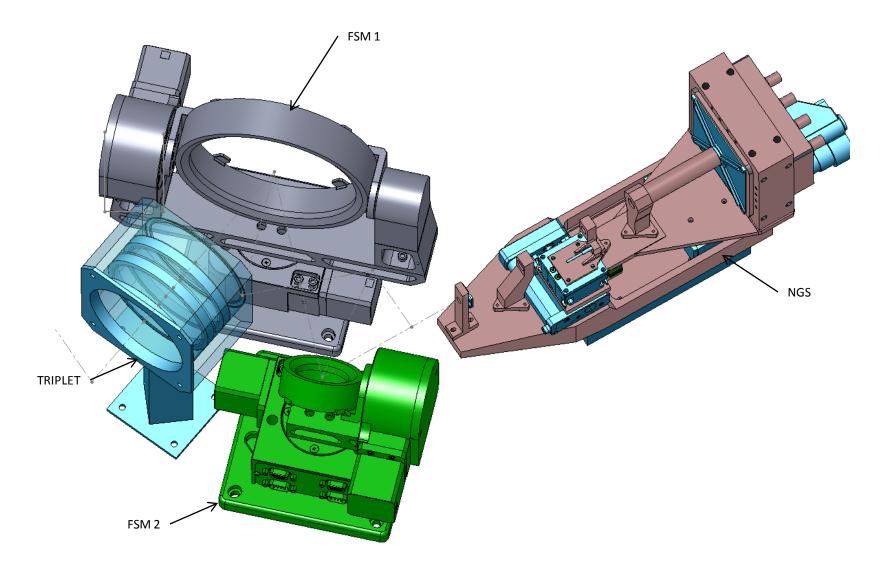
NGS Integration





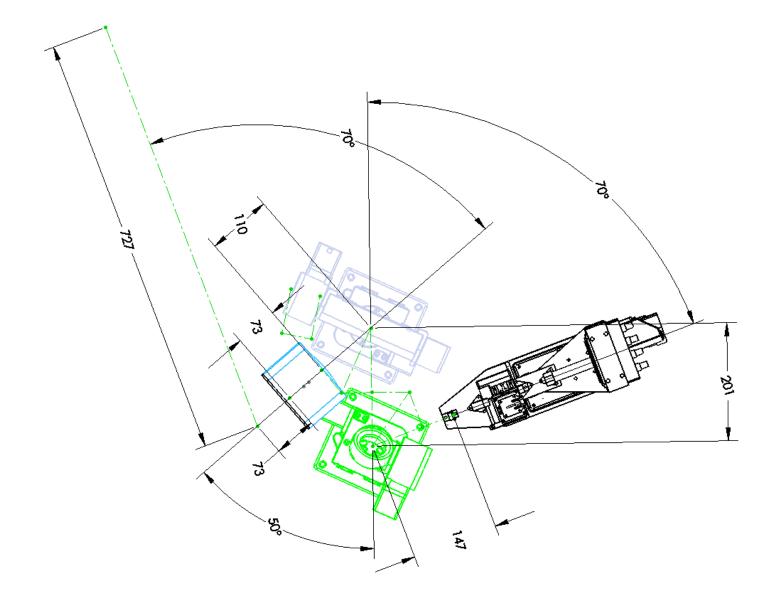
NGS Integration





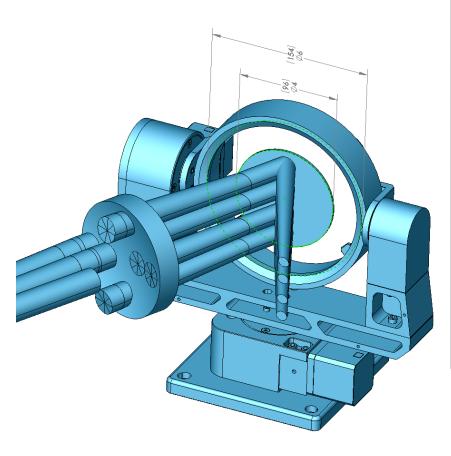
Optical Layout

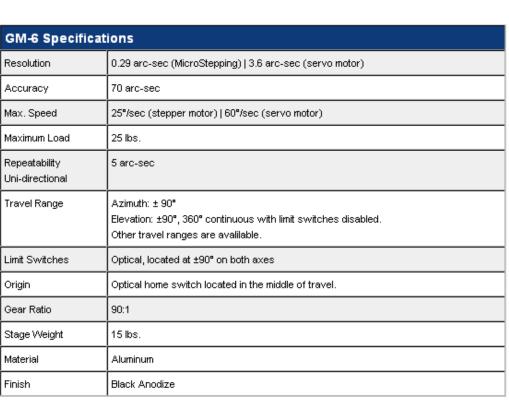




FSM 1

FSM 1 is a GMC-6 Newmark Gimbal with Mirror Cell for 6 inch optics Repeatability: 5 arc seconds Accuracy: 70 arc seconds Resolution: 0.29 arc-sec Elevation range: 360° continuous Azimuth Range: ±90° Load capacity: 25 lbs. Operating Temperature: -20 +50C

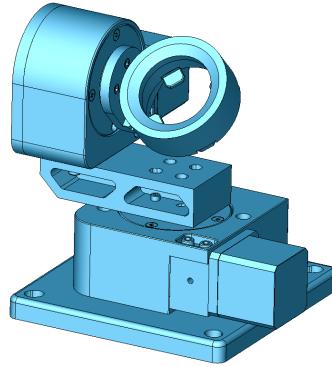






FSM 2

FSM 2 is a Custom Newmark Gimbal with Mirror Cell for 2 inch optics Repeatability: +/-5 arc seconds Accuracy: 70 arc seconds Resolution: 0.36 arc-sec Elevation range: 360° continuous reduced to 26 ° Azimuth Range: ±90° reduced to 26 ° Load capacity: 25 lbs. Operating Temperature: -15 +50C Manufacturer Estimated Price: \$10,685





Triplet Holder

The Triplet Holder is made of 7 Invar Parts: The Barrel, the Cover, 2 Spacers, 2 Adaptors and the Stand

