

Technical Specification for High Megapixel Camera purchases.

To increase our Digital Image Correlation (DIC) capacity for the next few years a need for greater sensor resolution has been identified. A total of two 28 Megapixel cameras are needed with a series of compatible components are needed. In addition to the cameras we need:1) Input/Output/Trigger cables ,2) GigE host adaptor, 3)Power adaptors and cords, and 4)High megapixel lenses.

Two (2) Cameras and associated equipment are needed that meet or exceed these specs:

- 6576x4384 sensor size capable of 4 fps
- Monochrome CCD (Not Optional)
- Gig E communication
- 14/12 bit resolution
- F-Mount lens capacity
- Compatible with VIC 3D digital image correlation software. (AVT and Point Grey cameras are known to be supported.)
- (2)External power supplies with 6 ft power cables.
- (2)Trigger cables with lead connections for I/O, trigger, strobe and power.
- (1)PCIexpress GigE host adapter for computer with Dual RJ45, Dual NIC
- (2) 35 mm, f2.8, F-mount, Megapixel Lenses with filter mounts
- (2) 50 mm, f2.2, F-mount, Megapixel Lenses with filter mounts