

Charge-Coupled Device (CCD) Camera with intensifier specifications for DIAL boresight application

1. CCD with GaAsP (Gallium Arsenide Phosphide) intensifier in order to cover wavelengths of 290nm, 300nm, 355nm, and 532 nm
2. User-controllable adjustable gain of at least 20,000x
3. External gate input required with TTL signal control with response time of less than 5 ns and minimum gate width of 100 ns
4. CCD with digital output that is Camera Link compatible and at least 10 bit
5. CCD must have at least 640 x 480 pixels with readout rate of better than 100 frames per second
6. ICCD camera must have C-mount front end attachment
7. Input active image area within range of 5mm x 5mm to 10mm x 10mm in center of C-mount
8. Maximum size of ICCD camera is 3"x3" by 6" long with weight of less than 3 lbs.
9. Package shall include all necessary power supplies (including the high voltage power supply), a PCIe frame grabber, and all necessary cables with a length of at least 7m (23 ft)
10. Delivery before July 3rd, 2013