

Actions upon delivery of the Chrotel Camera system

1. Examine all the packing cartons for damage. Notify HAO immediately with details of any damage so that the shipper can be contacted.
2. You will need a 80:20 mixture of distilled water to ethelene glycol for the Recirculating Chiller. Refer to the printed *Operators Manual Recirculating Chiller*. XYZZY liters of mixture are required to fill the recirculating chiller and hoses.
3. Good luck mounting the Helium Lyot filter. The filter was shipped with an aperture for one end. It is possible for light to leak around the lyot elements of the filter so aperture(s) are recommended.
4. Good luck mounting the Spectral Instruments camera. In the html manual refer to *SI 804 with 4320 Assembly Diagram* for mechanical details.
5. Locate the rack in its desired location. With no wheels, it is very difficult to move when loaded.
6. Refer to the *Camera System Block Diagram* and photographs of the rack in the html documentation.
7. Put the Recirculating Chiller on the bottom shelf of the rack. Fill the reservoir with the mixture of distilled water and ethelene glycol.
8. Locate the power strip and step down transformer. Do not connect the power strip to the mains at this time. When routing cables, you might consider running power cables on the left side of the rack (as viewed from the front) and signal cables on the right side of the rack. Wire ties would help make the cabling neat. Be sure to allow enough length so that the computer can slide out.
9. Install the computer onto the chassis slides at the top of the rack. While observing anti-static precautions, remove the computer cover and make sure the two PCI boards are corrected seated into their bus connectors.
10. Mount the Spectral Instruments power supply below the computer.
11. Place the NI SCB68 connector block and AlphaOmega Temperature Controller on the shelf.
12. Route power cables. All units plug into the power strip except for the Recirculating Chiller that has an in-line connector to the step down transformer.
13. Route all the signal cables.
14. Connect the hoses to the Spectral Instruments Camera.
15. Power up just the Recirculating Chiller and make sure its temperature is set to 20C. The level of liquid in the reservoir will drop as liquid is sent into the hoses. Continue to add the liquid mixture until all air in the hoses has been removed.