Cameras in 7-ID-B and 7-ID-C: An interim explanation

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February 25, 2003

General information   MHATT-CAT staff members have installed several cameras in the 7-ID-B and 7-ID-C hutches, to facilitate viewing of the equipment from outside the hutch. Several of these are Canon remote-controlled cameras, which have infrared (IR) extenders so their remotes can be used outside the hutch. If you're outside the hutch, just point the camera's remote at the IR target (which should be near the monitor displaying the camera) and it should work as if you're pointing the remote directly at the camera. This document gives a little information about the camera system, and will probably be updated often.

7-ID-B cameras   Besides the various cameras which may be on the optical table, there is a remote-controlled Canon camera mounted on the outboard wall. (This camera was originally on the 7-ID-C downstream wall.) This camera comes in handy for checking the pressure in the He and N_2 cylinders on the upstream wall; presets 1 and 2 are already aimed at the bottles' regulators.

7-ID-C cameras   There are two remote-controlled Canon cameras in the C hutch; number 1 is on the downstream wall, and number 2 is on the outboard wall. From outside the hutch, one remote and IR target can control both. To do so, press the "ID" button on the remote control, then the number of the camera which you wish to control.

There is also a video switch box at the 7-ID-C control station, which allows for easy viewing of a number of cameras in the hutch (including the remote-controlled cameras, the high-resolution camera focused at the center of the kappa diffractometer, and any others you wish). If the switch for a given camera is switched up, then that camera is not used. If any cameras' switches are down, then the left-most camera is viewed. If no switches are down but some are in the middle position, then the switcher cycles through those cameras; the speed of the switching can be adjusted by the small knob.

A Canon network camera server (the "P.I. Cam") is also in the process of being installed. This can be useful when you are not right outside the hutch, but it does seem to be a network hog. More information will be given when this is fully implemented.