

# Advanced Photon Source



## AOD Beamline Controls Group

### XIA HSC-1 Slit Controller

The Model HSC-1 Stepper Motor Controlled Huber Slit Driver is a compact, light weight unit that contains 2 stepper motors and their microprocessor controlled driver. The units are designed to be daisy chained so that a single RS-232 line can control multiple slits. Power is provided to the units through the same daisy chain, allowing multiple units to be powered from a single HSC-PWR Power Converter.

#### Features:

- One HSC-1 drives one axis of Huber slits - flexible couplers accommodate most devices.
- Low cost - no other control circuitry required.
- Low noise, low power, 2.5 microns per step.
- Onboard microcontroller and motor drivers
- Simple RS-232 command language
- Wall transformer unit powers several HSC units.
- Daisy chain power and RS-232 between units.
- Supports software limits & pseudo-motor moves.
- Current locations saved on power failure.
- Pushbuttons for "Manual" control

<http://www.xia.com>

### XIA-HSC

