Lens Controller for Canon EOS objectives

Electronic controller for Canon EOS objectives, enabling remote computer control of focus and iris for use with C-mount cameras.

The Canon EOS lens controller gives total control of focus and iris settings of Canon photographic lenses from a remote computer without the expensive and complicated mechanical drives and motor controllers necessary for Nikon AF lenses. Connecting directly to a serial port, the Canon EOS lens controller takes command of the motors and encoders, built into all Canon EOS lenses, for fast, precise and trouble-free focus and iris control.

Benefits
- Enables use of world-acclaimed Canon EOS lenses for scientific imaging
- Fast and precise remote control of focus and iris settings
- Works with all Canon EOS lenses
- Direct computer control without external motors and controllers
- Rugged and reliable with no moving parts
- All electronics inside lens mount
- Programmed by simple ASCII commands
- Easy adaptation to Scheimpflug camera mounts
- Attractively priced

Applications
- Particle Imaging Velocimetry systems for large wind tunnels
- Submerged camera systems for wave or towing tanks
- Cameras placed in hot, cold or inaccessible locations

Why use 35 mm camera lenses?
Many commonly used C-mount lenses were originally designed for low-resolution CCD sensors with diagonal sizes from 1/3 to 2/3 inch and are no match for the new, large size high-resolution sensors used in current scientific cameras. Many of these lenses suffer from distortions, chromatic errors, light fall-off towards the edges of the image and low overall light transmission, making them unsuitable for precision imaging with megapixel resolution cameras. Camera objectives designed for professional 35 mm film cameras are a perfect match for these new image sensors, whose size and resolution is approaching that of the traditional film medium.

Why Canon EOS lenses?
When tested for imaging quality by photo enthusiasts, the Canon EOS lenses come out in line with other high-quality objectives from Nikon, Leica and Contax. In contrast to these, all Canon EOS lenses have built-in electronic actuators for focus and iris, making full electronic control easy. All the other brands of lenses require delicate and expensive external motors and controllers, making Canon EOS lenses the obvious choice for compact, reliable and affordable remote control applications.
A control Software is included in the package allowing the easy control of focus and aperture by the arrow keys of the keyboard or by directly moving to distinct positions.