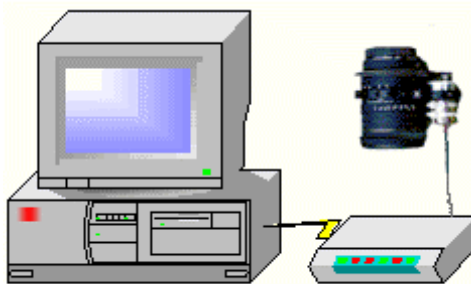




MLC

Motorized Lens Controller



Versatile and Modular

Allows Computer Control of Motorized Optical Systems

Makes Fully Automated Machine Vision and Imaging Possible

The MLC provides extensive support for controlling motorized optics. The ability to control zoom, focus, iris, and additional motors from a host computer allows for fully automated machine vision or imaging applications. The MLC/S - a standalone version, controls standard motorized lenses, while the MLC/OEM is the motorized optics controller kit for OEM customers, wishing to integrate automated optics controls into their turn-key systems.

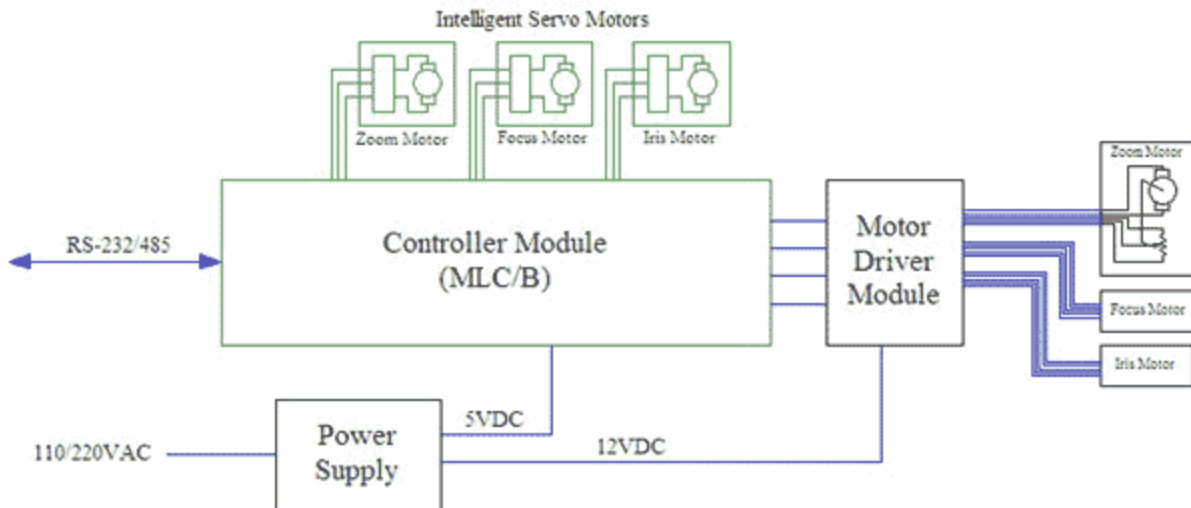
FEATURES

- ❑ Accurate control of zoom, focus, and iris.
- ❑ Control of an additional motor.
- ❑ Modular design – a separate control and motor driving modules.
- ❑ RS-232 and RS-485 connectivity to the Host Computer.
- ❑ Includes the control software. Source code (C++) available.
- ❑ Standalone unit runs off 110 or 220V and 50/60Hz.
- ❑ OEM version runs off standard DC voltages.
- ❑ CE certified.

BENEFITS

- ❑ No need for the operator intervention. Higher accuracy and repeatability.
- ❑ Could control a camera position.
- ❑ Cost effective options. Future upgradeability.
- ❑ The Host Computer can control multiple camera/lenses easily.
- ❑ Ready to use “as is” or integrate easily into the existing control software.
- ❑ No need for additional power supplies.
- ❑ Industry standard control voltages.
- ❑ Can be easily integrated into the CE certified systems.

BLOCK DIAGRAM



PHYSICAL SPECIFICATIONS

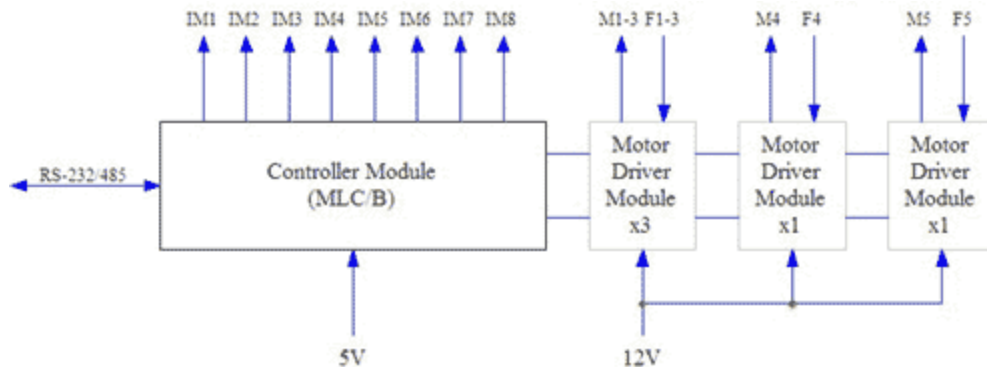
Electrical Power - MLC/S: 12 VDC
 - MLC/OEM: 5 VDC, 12 VDC
Ambient Temperature: 32-122 F (0-50°C)
Relative Humidity: 95% (non-condensing)

CONTROL SPECIFICATIONS

Motor Control Voltage: 6 to 12VDC
Motor Current: 100 mA maximum, each motor
Feedback Input: 5k or 10k potentiometer
Positional Resolution: 0 -255
Computer Connectivity: RS-232/RS-485

CONFIGURATIONS

MLC/OEM: Controller Module (MLC/B), Intelligent Servo Motor (ISM1), Software (C++ Source Code).
Options: ISM1 (additional servo motors), MDM3 (3-Motor Driver Module), MDM1 (1-Motor Driver Module)
Total Number of Motors: 8



MLC/S: Standalone MLC unit (for use with standard motorized lenses), Software
Options: MDM1 (1-Motor Driver Module)

