

X2LC Motorized Lens Controller

Description

The X2LC is designed to control industry standard motorized lenses from a computer via serial control. These lenses may allow control of the zoom and focus settings, and may provide position feedback via potentiometers, also called presets. This unit can accurately control the zoom and focus axes of motion. The unit provides motor speed control and read back of the axes position.

Features

- Controls lenses with 6, 8 or 12 volt motors
- 2 axes of motor control output with speed control
- 2 analog inputs to read motor position on lenses with presets
- Intended for lenses with Auto or Fixed iris
- Interfaces for RS232 (standard) or USB via dongle provided
- Compatible with Ethernet (IP) control (optional)

Specifications

Model

X3LC-vv-232

Where vv is 6V, 8V or 12V for the output voltage to the lens,

Example: X3LC-12V-485

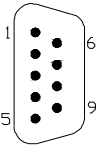
Minimum Input Voltage	Lens voltage + 2V
Maximum Input Voltage	30 VDC
Input Current	0.6 A typical plus motor load
Interface	RS232
Protocol	19200 baud / 8 / N / 1
Output Voltage (M0-M5)	6, 8 or 12 volt models
Output Current Rating	1 amp per axis
Input Resolution	10 bits
Weight	0.3 lbs



Typical Applications

- Automatic Inspection
- Process Control
- Machine Vision
- Stereo Vision
- Security Sites

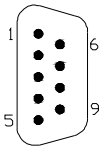
**Mechanical
DB9P (Pins on unit)**



Connector

Pin	Signal	Use
1	Motor 0 -	Zoom (Wide)
6	Motor 0 +	Zoom (Tele)
2	Input 0	Zoom feedback
7	VRef out	Ref voltage to pots
3	Input 1	Focus feedback
8	Motor 1+	Focus (Near)
4	Motor 1-	Focus (Far)
9	+V Input	+13VDC typically
5	Common	Common for Vref and Vinput

**RS232 Connector
DB9S**



Pin	Signal
1	
6	
2	Transmit
7	
3	Receive
8	
4	
9	
5	Ground

Software – Includes libraries for C#, .NET, VB, C++, and easy to use interface for 8 channels:

