SLA-2000-ENC Quick Start Guide

Release 2.06
February 5, 2013

Overview

This document describes the software and hardware installation necessary to demonstrate operations within a laboratory setting.

For quick introduction on how to setup the hardware, you can see a short video on our web site at:
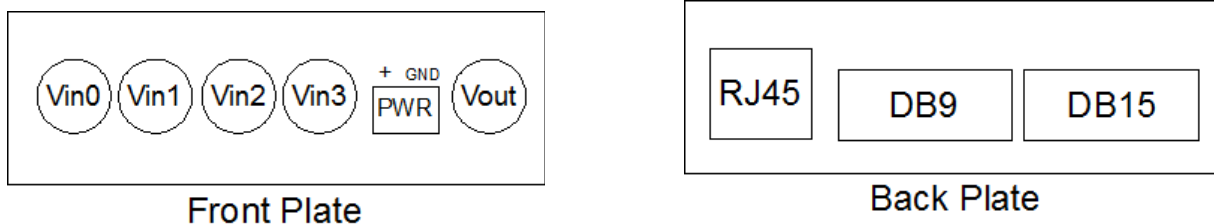
<p align="center">http://www.sightlineapplications.com</p>

SLA-2000-ENC KIT

Included in your startup kit you will find the following:

Part Number	Quantity	Description
SLA-2000-ENC	1	SightLine Applications On-Board Stabilization and Tracking System
Optional Components		
	2	BNC to RCA adapters
	1	DB-9 NULL MODEM adapter
SLA-POWER	1	12V Power supply

<p align="center">*Table 1: Hardware Part Number List*</p>

<p align="center">*Table 2: SLA-2000-ENC Hardware Connector Block Diagram*</p>

Function	Connector	
Power	2 Position Terminal Block	See mating connector above: Digikey PN 1786174-ND
Video (x5)	BNC	
RS-232	DB-9 male	*EIA/TIA-232-F*
HD Video	DB-15 female	
Ethernet	RJ-45 Modular Jack (8P8C)	

Hardware Installation

The **SLA-2000-ENC** is programmed to power up in single camera (1UP) mode. It will process the input video (**Vin0**) and show stabilized video on the analog video output (**Vout**). Command and Control with your **SLA-2000-ENC** can be done **either** through the DB9 connector (RS-232) or the RJ45 (10/100Base-T Ethernet). The **SLA-PANEL** provides a sample user interface (UI) for communicating with your **SLA-2000-ENC**.

For additional information see the *SightLine Applications User Guide*.

The latest release of SLA-PANEL can be downloaded from:
http://www.sightlineapplications.com/Release

	Length (in.)	Width (in.)	Height (in.)	Length with Connectors (in.)	Weight (ounces)
SLA-2000-ENC	4.72	4.06	1.20	6.00	12.00

To Connect Video Input and Output

1. Connect your video source (camera) to Vin0 (this will be Camera 0)

   ○ Use the BNC to RCA adapter provided if necessary

2. Connect your display to Vout (NTSC output)

To Connect via Serial Port (Optional)

Connect your PC to the **SLA-2000-ENC** using the DB-9 serial port on the Back Plate.
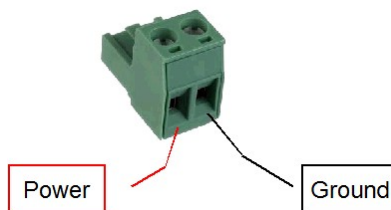   • An optional NULL MODEM ADAPTER has been provided if needed

To Connect via Ethernet (Optional)

Connect your SLA-2000-ENC to an Ethernet Network Switch using a standard CAT-5 Ethernet cable.

   • The SLA-2000-ENC will attempt to obtain an IP address via DHCP

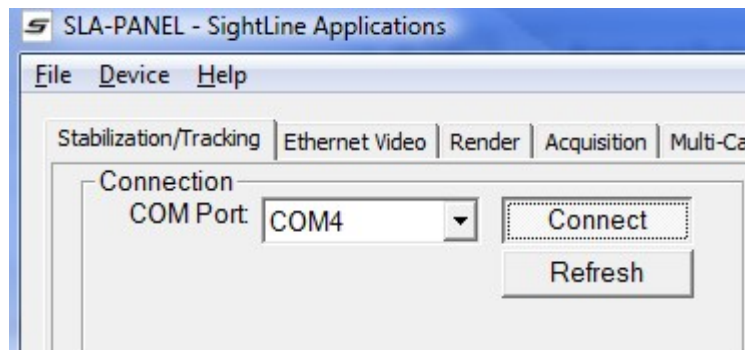   • If DHCP fails, it will self assign an IP address in the format 192.168.1.ddd

To Connect Power
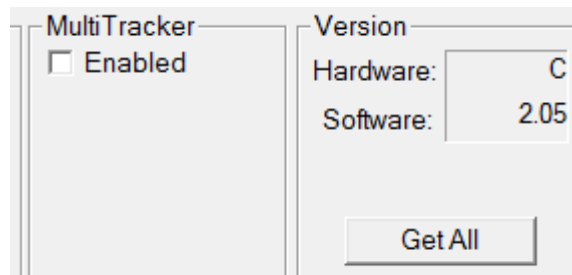
Apply power using the enclosed power supply (SLA-POWER).

Software Installation

1. Download and install the latest software from the SightLine Applications web site:

   ○ http://www.sightlineapplications.com/Release

   ○ Unpack the zip file and run **setup.exe**

   ○ Follow the instructions in the installer

2. When finished, continue following these instructions.

   1. Start → All Programs → SightLine Applications → **SLAPanel**

   2. Connection → **COM Port** → Select the PC's serial port

   3. Click the **Connect** button

   4. The **Version** Group will update with the hardware and software revisions indicating successful communication.

FINISHED! You are now ready to experiment with your SLA-2000-ENC.

CONTACTS

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