PRODUCT DESCRIPTION

The SCT-1034 is an Ernitec to Bosch control code translator designed to permit control of Bosch cameras from Ernitec VIP-1500 controllers. It receives Ernitec RS-485 commands and transmits the appropriate commands in Bosch biphase format. There are four independent biphase outputs.

The biphase output can be limited to fixed-speed-only commands for compatibility with older Burle receivers.

Input and output connections are made with mating screw terminal connectors. Front panel LEDs indicate status of power, receive, and transmit.

There is an optional 19" rack mount panel (one rack unit high).

SPECIFICATIONS

<table>
<thead>
<tr>
<th>SIZE:</th>
<th>5.57&quot;W x 1.52H x 5.45D</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEIGHT:</td>
<td>1.5 lbs.</td>
</tr>
<tr>
<td>POWER:</td>
<td>9Volt to 15Volt AC or DC at 75ma</td>
</tr>
<tr>
<td>INDICATORS:</td>
<td>Front panel LEDs: Power, Rx, &amp; Tx</td>
</tr>
<tr>
<td>RS-485 INPUT (2400 baud):</td>
<td>(1) mating 3-pin screw terminal connector</td>
</tr>
<tr>
<td>BIPHASE OUTPUT:</td>
<td>(4) mating 3-pin screw terminal connectors</td>
</tr>
</tbody>
</table>
SETTING THE SWITCHES

To set the configuration switches, remove the back panel, which is secured by two screws. Then slide the cover back to expose the switches. The switches can be changed while the code translator is powered up and the new settings will take effect immediately.

**SWITCH**

**SW1-1**

**BIPHASE CODE TYPE**

**ON:** VARIABLE SPEED

**OFF:** FIXED SPEED

Set to ON if the receivers can accept variable speed biphase code
Set to OFF for older receivers that only recognize fixed-speed commands.
INSTALLATION

REAR PANEL

ERNITEC RS-485 IN
+ - S

BIPHASE DATA OUTPUTS
+ - S + - S + - S + - S

POWER
12V to 15V AC or DC

Ernitec RS-485 input
Connect to the + and - lines from the Ernitec controller
S = shield (optional)
(Data input is 2400 baud)

Bosch biphase outputs
The four outputs are identical.
Connect to the Bosch receiver biphase + and - lines
S = shield (optional)

Power input

FRONT PANEL

CODE TRANSLATOR

Power indicator

Ernitec receive indicator
Flashes when receiving RS-485 data

Bosch transmit indicator
Flashes continuously while sending biphase data

Rx

The Rx indicator will flash whenever there is data from the Ernitec controller. If the input lines have reversed polarity, the Rx indicator will be on solidly. Biphase code is repeating, so the Tx indicator will continue to flash while the camera is moving.

If you have Rx but no Tx, possible causes are:
The Ernitec code coming into the translator is not camera control code.
The Ernitec data out is not set at 2400 baud.

If the code translator is sending data and does not get a follow-up Ernitec command in about 12 seconds, it will time out and quit sending that stream of data.
OPERATION

Pan, Tilt, Zoom, Focus, and Iris commands are converted directly.

Ernitec Store and Recall pre-position commands are converted to Bosch Set and Shot commands.

Aux 1 is converted to Aux ON 1, which is interpreted by the Bosch domes as Autoscan (without limits).
Aux 2 is converted to Aux ON 2, which is interpreted by the Bosch domes as Autopan (within limits).

PAN & TILT SPEEDS
If the code translator is configured for fixed speed Bosch receivers, the Pan and Tilt commands have no speed value associated with them.

The Ernitec controller does not send speed values for Pan and Tilt commands.

If the code translator is configured for variable speed Bosch receivers, the code translator will give a speed value to Pan and Tilt commands. On power-up, the default is a medium speed. Aux 3 and Aux 4 are used to change the Tilt speed value. Aux 5 and Aux 6 change the Pan speed.
Each time one of those Aux buttons is pressed, a small change is made to the associated speed.

<table>
<thead>
<tr>
<th>Aux 3</th>
<th>Decrease tilt speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aux 4</td>
<td>Increase tilt speed</td>
</tr>
<tr>
<td>Aux 5</td>
<td>Decrease pan speed</td>
</tr>
<tr>
<td>Aux 6</td>
<td>Increase pan speed</td>
</tr>
</tbody>
</table>