


# SCT-200-Bosch232-TASS

## Bosch RS-232 to TASS RS-422 Camera Code Translator

The code translator converts Bosch RS-232 camera control code into Tass RS-422 code for one or two cameras on a single Pan/Tilt unit.

Bosch RS-232 input baud rates from 2400 to 19200 is detected automatically.  
TASS RS-422 output can be set for 1200, 2400, 4800, or 9600 baud.

A test mode sends a continuous square movement pattern to the P/T/Z so the wiring and addressing between the translator and the P/T/Z can be checked without a Bosch controller.



**Address Selector**

Selects the input camera address.  
The valid address range is 1-999

**Rx Indicator**

Flashes when there is data on the input lines.  
Stays on if input lines are reversed

**Error Indicator**

Flashes on input error.

**Status Indicator**

**Tx Indicator**

Flashes when TASS output code is sent.

**Configuration Switches**

**Switches 1&2: TASS Baud Rate**

1 Down	2 Down	1200
1 Up	2 Down	2400
1 Down	2 Up	4800
1 Up	2 Up	9600

**Switch 3: No of cameras**

Up: Two cameras  
Down: One camera

**Switch 4: P/T Speed Control**


Up: Joystick speeds  
Down: Constant speed

**Switch 5: Iris commands**

Up: White Hot / Black Hot  
Down: Iris Open / Iris Close

**Switch 6: Output test code**

Up: Output test pattern On  
Down: Output test pattern Off



The removable mounting clip can be snapped onto a din rail or screwed to a panel or wall.

**Removable edge connector**  
Insert a small screwdriver in the upper slot to force open the wire clamp. Push all the way in to open fully. Place stripped wire end(s) in the open clamp and withdraw screwdriver.

Rx Com    Data    Pwr    Pwr    Data

Input    Input    -    +    Output

Connect power to the Pwr inputs. Do not connect power wires to the Gnd.

**SPECIFICATIONS**

Size: 4.5" x 3.5" x 1.25"  
 Weight: 0.5 lb  
 Power: 9Volt to 15Volt AC or DC at 75ma  
 Environmental: Indoor use only

[www.sennetech.net](http://www.sennetech.net)

Sennetech, Inc. 6455 W. Bath Rd. Perry, MI 48872 U.S.A. Ph (517) 624-1150 Fax (517) 625-1151

## NOTES

The configuration switches can be changed with power on, the changes take effect immediately.

### **Input**

The code translator will automatically detect the input Bosch RS-232 baud rate from 2400 baud to 19200 baud. The **Error** LED will flash during the detection process.

### **Output**

The TASS output code baud rate is switch selectable from 1200 baud to 9600 baud.

### **Addressing**

Switch 3 determines whether the code translator will convert commands for only one camera address or two camera addresses: Off = 1 camera, On = 2 cameras.

Set the address switches for the first Bosch camera address, if there is a second camera, it will be the next higher Bosch address.

The lower address is assumed to be a Thermal Imager, the higher address is a Visible Camera.

### **Pan/Tilt Speed control**

Switch 4 determines the type of speed control, Off = constant speed, On = Joystick variable speed commands.

### **Iris Commands**

Switch 5 determines how Iris commands are converted: Off = Iris Open & Iris Close, On = White Hot & Black Hot.

### **Indicators**

The **Rx** LED indicates the presence of input data

The **Error** Led flashes if the code translator doesn't recognize the input data.

The **Status** Led is unassigned

The **Tx** LED flashes for each TASS packet sent.

### **Test Mode**

While the test mode (switch 6) is On, the code translator send a continuous square movement pattern to the pan/tilt unit; [pan right - tilt down - pan left - tilt up]. This can be useful for the installer to confirm communications between the code translator and the pan/tilt unit. The switch must be turned off to return to normal operation.

## OPERATION

Bosch pan and tilt commands are converted into TASS pan and tilt commands.

Bosch lens commands are converted into TASS zoom, focus, and iris commands.

Bosch presets 1~10 are converted into TASS presets 0~9.

Additional commands are converted according to the following table:

<u>Bosch Cmd</u>	<u>Tass Cmd</u>	<u>Bosch Cmd</u>	<u>Tass Cmd</u>
On 2	Autopan		
On 8	Device Power On	Off 8	Device Power Off
On 9	Polarity White Hot	Off 9	Polarity Black Hot
On 20	Wide Field of View	Off 20	Narrow Field of View
On 101	Autopan left limit		
On 102	Autopan right limit		
Shot 11	Toggle cam		
Shot 20~35	Set Constant pan speed 0~15		
Shot 40~55	Set Constant tilt speed 0~15		
Shot 60~75	Set Auto movement speed 0~15		