

SCT-100-AD-Vicon

AD Manchester to Vicon RS-422 Code Translator

The code translator converts AD manchester camera control code to Vicon RS-422 code for a single P/T/Z. Only camera commands for the address matching the Address Selector switches will be converted.

Vicon output code is selectable for 4800 baud 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 an AD controller.



- Address Selector**
 Selects the camera address. The valid address range is 1-64
- Rx Indicator**
 Flashes when there is data on the input lines.
- Error Indicator**
 Flashes on input error.
- Status Indicator**
 Lights if an invalid test address is selected.
- Tx Indicator**
 Flashes when Vicon output code is sent.

- Configuration Switches**

Switch 1: Unassigned
Up:
Down:

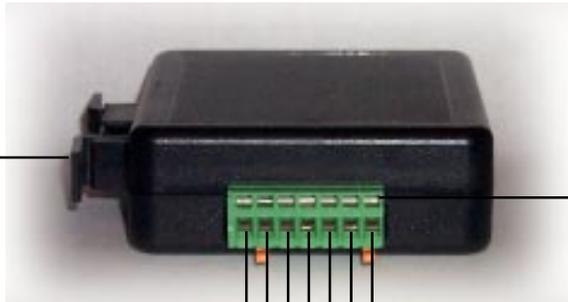
Switch 2: Unassigned
Up:
Down:

Switch 3: Unassigned
Up:
Down:

Switch 4: Vicon Output
Up: 9600 Baud
Down: 4800 Baud

Switch 5: Output Camera Address
Up: Set camera to #1
Down: Camera address = Input

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.

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

+ ~ ~ ~ +
 Data AC AC Data
 Input Power Output
 Connect power to the AC inputs. Do not connect power wires to the Gnd.

SPECIFICATIONS

- Size: 4.5" x 3.5" x 1.25"
- Weight: 0.5 lb
- Power: 6Volt to 15Volt AC or DC at 75ma
- Environmental: Indoor use only

NOTES

Baud Rates

The Vicon output set by switch 4 can be either 4800 baud or 9600 baud.

Addressing

Only camera control code for the camera number set by the Address Switches is converted. If switch 5 is On, the Vicon output code will always be sent to camera #1

Test Pattern

When switch 6 is on, the translator sends a continuous small square movement pattern to the camera. The input is not active.

Indicators

The **Rx** LED will flash when there is data on the input. It will flash brighter for camera control data.

The **Error** LED indicates input errors. If there is no manchester stream, it will stay on. It will flash if the input code is not recognized as valid AD code.

The **Status** LED will light if the address switches are not set to a valid address (1~64).

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

OPERATION

PTZ

The code translator converts pan, tilt, zoom, focus and iris commands directly.

Other commands are converted according to the following table.

AD COMMAND

VICON COMMAND

Presets

AD manchester code supports 72 presets. Vicon supports 99 presets with some high presets used for Dome programming. The code translator adds 30 to all preset commands above 49.

Set shot 1~49	Program preset 1~49
Set shot 50~69	Program preset 80~99
Call shot 1~49	Run preset 1~49
Call shot 50~69	Run preset 80~99

Aux Commands

AD manchester code has 3 Aux On and 3 Aux Off commands.

On 1	Aux 1 key.
On 2	Aux 2 key
On 3	L/S key (lens speed)
Off 1	A/P key (autopan)
Off 2	A/I key (auto iris)
Off 3	Alarm acknowledge

Dome Programming

Vicon Program Preset 94 brings up an on screen camera menu.

Set shot 64	Activate Dome Menu.
Tilt	Navigate through the menu
Off 1 (A/P)	Pick items
Off 2 (A/I)	Exit.