

SCT-100-Pelco-Vicon

Single Camera Code Translator

Pelco RS-422 to Vicon RS-422 Version 1.1

Converts Pelco RS-422 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.

Input Pelco "D" or "P" code at 2400, 4800 or 9600 baud is detected automatically.

Vicon output code is switch 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 Pelco controller.



- Address Selector**
 Selects the camera address. The valid address range is 001-256
- 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.

Removable edge connector.
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.

+ - Gnd - +
Data Power Data
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: 6Volt to 15Volt AC or DC at 75ma
- Environmental: Indoor use only

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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. If the input lines are reversed, it will stay on.

The **Error** LED will flash if the input code is not recognized as valid Pelco code.

The **Status** LED will light if the address switches are not set to a valid address (1~256).

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

OPERATION

PTZFI

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

Presets

Pelco [Preset] and [Pgm Preset] commands are converted to Vicon [Run Pset] and [Pgm Pset].

Aux Commands

The Vicon keys required for the onscreen menu and pattern recording can be accessed from low Pelco aux numbers.

PELCO COMMAND

Aux Off/On 1
Aux Off/On 2
Aux Off/On 3
Aux Off/On 4
Aux Off/On 5
Aux Off/On 6
Aux Off/On 7
Aux Off/On 8

VICON COMMAND

Aux1
A/P Key
A/I Key
Alarm acknowledge
L/S Key
Aux2
Aux3
Aux4

Dome Programming

Pgm Pset 94 (Vicon's menu cmd)
Pgm Pset 95 (Pelco's menu cmd)

Display onscreen menu
Display onscreen menu

Use the joystick to navigate the onscreen menu. Use Aux 2 for A/P to make selections, and Aux 3 for A/I to exit. Some Vicon domes will not respond to consecutive same commands, so to send consecutive A/I or A/P commands, insert another command in between (Aux4 for Alarm acknowledge is a good choice).

Pgm Pset 96

Pgm Pset 95 (Vicon's reset dome cmd)

Patterns

Pgm Pattern 1/2
Run Pattern 1/2

Program Auto Tour 88/89
Run Auto Tour 88/89