SCT-200-Vicon-Pelco
Vicon RS-422 to Pelco RS-422 Code Translator

The code translator converts Vicon control code to Pelco code for two camera addresses.The addresses switches are to be set to the lower camera number, the second camera is one number higher.

Input Vicon baud rate can be 4800 or 9600. The Pelco output can be D code or P code. D code is sent as 2400 baud with no parity. P code can be sent as 4800 or 9600 baud with no parity or even parity.

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 Vicon controller. The input receiver is disabled during test mode.

Address Selector
Selects the camera address. The valid address range is 1~256

Rx Indicator
Flashes when there is data on the input lines.

Stays on if the input lines are reversed.

Error Indicator
Flashes on input error.

Status Indicator
Lights if an invalid address is selected.

Tx Indicator
Flashes when Pelco output code is sent.

Configuration Switches

Switch 1: Vicon Code Baud Rate
Up: 9600 baud
Down: 4800 baud

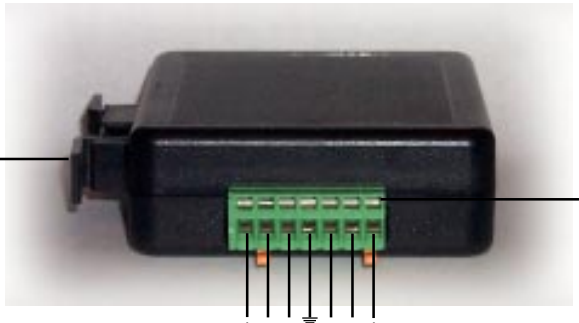
Switch 2: Pelco Code type
Up: P code
Down: D code

Switch 3: P code baud rate
Up: 9600 baud
Down: 4800 baud

Switch 4: P code parity
Up: Even parity
Down: No parity

Switch 5: Output Camera Address
Up: Set camera to #1
Down: Output 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.

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Data Input | AC | AC Power | Data 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:	9~15Volt AC or DC at 75ma
	24Volt optional
Environmental:	Indoor use only

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NOTES

Switch Settings
Any changes in switch settings are effective immediately, they are not read only on power up.

Pelco Settings
For D code, the output is 2400 baud with no parity. For P code, the output is determined by switches 3 & 4.

Addressing
The address switch settings are for the 1st camera. The 2nd camera is the next higher address.

If switch 5 is ON, the output code is always addressed to camera #1. Otherwise, the output code address is determined by the Address Switches.

Indicators
The **Rx** LED will flash when there is data on the input. If the wires are reversed, it will stay on.

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

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

The **Tx** LED flashes once for each Pelco packet sent.

OPERATION

PTZ
The code translator converts Vicon pan, tilt, zoom, focus and iris code directly into Pelco code

Auxiliary Functions
Vicon Aux keys 1~6 toggle between Pelco Aux On and Pelco Aux Off.

Presets
Vicon presets from 1~99 are converted to Pelco presets, (with a few exceptions to allow programming and playback of patterns.

To record a pattern, position the camera at the starting point. Send Pgm preset 71~73, move the camera through the desired pattern, then send Pgm pset 70 to define the end of the pattern.

VICON COMMAND	PELCO COMMAND
Pgm preset 71	Start recording pattern 1
Pgm preset 72	Start recording pattern 2
Pgm preset 73	Start recording pattern 3
Pgm preset 70	End pattern recording
Run preset 71	Run pattern 1
Run preset 72	Run pattern 2
Run preset 73	Run pattern 3

Presets from 90 to 99 are used for Pelco Dome functions.

Pgm preset 90	Set manual scan left limit
Pgm preset 91	Set manual scan right limit
Pgm preset 92	Set auto scan left limit
Pgm preset 93	Set auto scan right limit
Pgm preset 95	Start Dome programming menu
Run preset 97	Start random scan
Run preset 98	Start frame scan
Run preset 99 or A/P key	Start auto scan