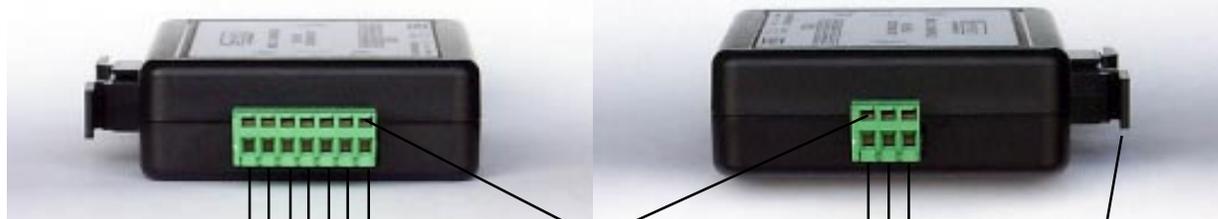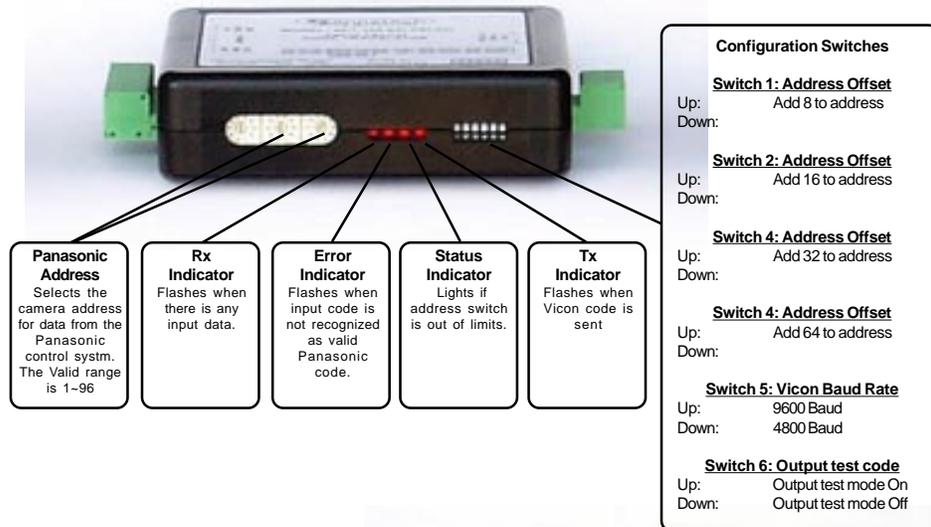# SCT-100-PANASONIC-VICON
Panasonic RS-485 to Vicon RS-422 Code Translator Ver 3.0

The code translator converts Panasonic RS-485 camera control code into Vicon RS-422 code for a single P/T/Z. Only camera commands for the address matching the Address Selector switches will be converted.

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 Panasonic controller.

Configuration Switches

Switch 1: Address Offset
Up: Add 8 to address
Down:

Switch 2: Address Offset
Up: Add 16 to address
Down:

Switch 4: Address Offset
Up: Add 32 to address
Down:

Switch 4: Address Offset
Up: Add 64 to address
Down:

Switch 5: Vicon Baud Rate
Up: 9600 Baud
Down: 4800 Baud

Switch 6: Output test code
Up: Output test mode On
Down: Output test mode Off

Panasonic Address
Selects the camera address for data from the Panasonic control systm. The Valid range is 1~96

Rx Indicator
Flashes when there is any input data.

Error Indicator
Flashes when input code is not recognized as valid Panasonic code.

Status Indicator
Lights if address switch is out of limits.

Tx Indicator
Flashes when Vicon code is sent

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

In   Out

T   T   R   R   G
(A)(B)(A)(B)
Panasonic
Viewed from contact side

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.

+   −   ⏚
Vicon
RS-422
Out

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

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

Panasonic Settings
Panasonic controller should be set for 4 wire communication.
Input baud rates from 2400 baud to 19.2k baud are detected automatically.

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

Addressing
Only control code for the Panasonic camera number set by the Address Switches is converted.
If any address offset switch is on, that number will be added to the Panasonic camera number before being sent to the Vicon output. For example if the Panasonic address is 3, and sw1 & sw2 are on, 8 and 16 will be added to 3 so the Vicon packet will be addressed to camera 27.

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

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

The **Status** LED will light if the address switches are not set to a valid Panasonic address (1~96).

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

OPERATION

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

Presets
Panasonic preset range is 1~64, Vicon preset range is 1~99. In order to be able to access Vicon presets up to 99, the code translator automaticall adds [40] to all preset numbers 40 and up.

Additional commands are converted according to the following table.

PANASONIC COMMAND	VICON COMMAND
Auto Pan	A/P key
Auto Iris	A/I key
Auto Focus	L/S key
Aux 1 On	Aux 1 Key
Aux 2 On	Aux 2 Key
Aux 1 Off	Alarm Acknowledge

Dome Programming

Pgm Pset 54	Pgm Pset 94 (Display onscreen menu)

Use the joystick to navigate the onscreen menu. To make selections, use A/I to exit and A/P to make selections.

Some Vicon domes will not respond to consecutive same commands, to send consecutive A/I or A/P commands, insert another command in between (Aux 1 Off for Alarm acknowledge is a good choice).