SCT-100-AD-Panasonic
AD Manchester to Panasonic RS-485 Code Translator

The code translator converts American Dynamics manchester camera control code into Panasonic RS-485 code for a single P/T/Z. Only camera control code for the address matching the Address Selector switches is converted.

Panasonic output code is selectable from 2400 baud to 19.2K baud. The output can be sent with or without an address

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. The input receiver is disabled during test mode.

Configuration Switches

Switches 1&2: Panasonic Baud

1 Down	2 Down	2400
1 Up	2 Down	4800
1 Down	2 Up	9600
1 Up	2 Up	19.2K

Switch 3: Unassigned
Up:
Down:

Switch 4: Unassigned
Up:
Down:

Switch 5: Output Address
Up: Output has address
Down: Output has no address

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

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 address is selected.

Tx Indicator
Flashes when Panasonic output code is sent.
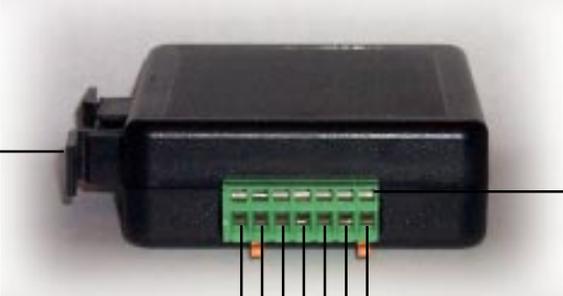
The removable mounting clip can be snapped onto a din rail or screwed to a panel or wall.

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.

B   W   PWR   PWR   B   A

Data Input

Data Output

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

R(A) ———— Green
R(B) ———— Yellow
T(A) ———— Orange
T(B) ———— Red
Gnd ———— Brown
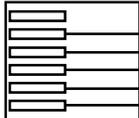
Panasonic camera connector viewed from contact side

SPECIFICATIONS:

Size:	4.5" x 3.5" x 1.25"
Weight:	0.5 lb
Power:	9~15Volt AC or DC at 75ma
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.

Addressing
Only camera control code for the camera number set by the Address Switches is converted.

If switch 5 is Off, the output code does not contain an address. This can be used for direct wiring to a camera and the camera's address switches are ignored.

If switch 5 is On, the output code has the same address as the AD camera address. The Panasonic camera's address must be set to the same number. This mode can also be used for operation with a WJ-MP204.

Indicators
The **Rx** LED will flash when there is data on the input.
The **Error** LED will flash if the input code is not recognized as valid AD manchester 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 Panasonic packet sent.

OPERATION

PTZ
The code translator converts pan, tilt, zoom, focus and iris code directly.
Other commands are converted according to the following table.

	AD Command	Panasonic Command		AD Command	Panasonic Command
Aux:	On 1	Start Autopan		Off 1	Stop Autopan
	On 2	Auto Iris		Off 2	Manual Iris
	On 1	Oneshot Auto Focus			

Presets: AD call preset & program presets from 1~49 are converted to Panasonic preset commands,

Camera Menu:			Pgm preset 50	Menu Off
			Pgm preset 51	Menu On

The menu cursor control commands are arrayed by cursor direction on the keyboard.

		Pgm preset 52	Cursor Up
		Pgm preset 54	Cursor Left
		Pgm preset 56	Cursor Right
		Pgm preset 58	Cursor Down

Pgm preset 57 & 59 send the Panasonic Menu Set1 & 2 commands to select menu items.

		Pgm preset 57	Menu Set 1
		Pgm preset 59	Menu Set 2

Pgm preset 71 & 72 send the Panasonic Special Menu Set commands.

		Pgm preset 71	Special menu refresh
		Pgm preset 72	Special menu cam reset

Patrol:	Call preset 65	Patrol Play		Pgm preset 65	Patrol Learn
	Call preset 66	Patrol Stop		Pgm preset 66	Patrol Stop

Misc:			Pgm preset 61	Set autopan start point
			Pgm preset 62	Set autopan end point
			Pgm preset 63	AGC On
			Pgm preset 64	AGC Off