

SCT-100-Pelco-Panasonic

Pelco RS-422 to Panasonic RS-485 Code Translator Ver 1.2

The code translator converts Pelco camera control code to Panasonic code for a single P/T/Z. Only camera control code for the address matching the Address Selector switches is converted.

Input Pelco "D" or "P" code at 2400, 4800 or 9600 baud is detected automatically. Output code is selectable from 2400 baud to 19.2K baud. The output is Panasonic conventional protocol with or without an address for direct or daisy chain mode.

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 Pelco 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 Panasonic output code is sent.

Configuration Switches

Switches 1&2: Panasonic Baud

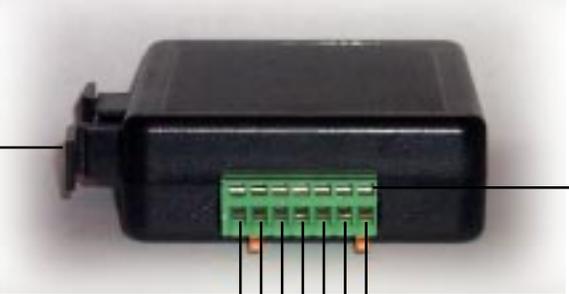
1 Down	2 Down	2400
1 Up	2 Down	4800
1 Down	2 Up	9600
1 Up	2 Up	19.2K

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



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.

+

-

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

www.sennetech.net

Sennetech, Inc. 6455 W. Bath Rd. Perry, MI 48872 U.S.A. Tele: (517) 675-1150 Fax: (517) 675-1151

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 Pelco 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 Pelco 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. If the wires 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 Panasonic packet sent.

OPERATION

PTZ

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

Presets

Pelco preset commands from 1~64 are converted to Panasonic preset commands,

Pelco uses preset numbers in the 90s for special camera commands. For DX8000 series DVRs which are limited to 32 presets and 4 aux commands,

Other commands are converted according to the following table.

	<u>Pelco Command</u>	<u>Panasonic Command</u>
Autopan	99 or 29 Preset	Autopan On
	92 or 22 Pgm Preset	Set autopan start position
	93 or 23 Pgm Preset	Set autopan end position
Patrol	Pattern Start	Patrol Learn
	Pattern End	Patrol Stop
	Pattern Run	Patrol Play
SetupMenu	95 or 25 Pgm Preset (Use pan and tilt commands to navigate the menu.)	Activate Camera Setup Menu
	1 On	Select highlighted item
	1 Off	Return to previous menu
	2 Off	Exit menu

(The setup menu does not have an onscreen exit option, any zoom, focus, or iris command will automatically exit the menu.)