SIMPLWINDOWS NAME:	Polycom (PictureTel) iPower Camera Control
CATEGORY:	Conferencing
VERSION:	1.0
SUMMARY:	Control any Polycom near or far end camera
GENERAL NOTES:	There are 10 presets available for near end and 10 more presets available for far end. This means that there are 10 presets total for all of the near end cameras and the same for the far end. When a preset is stored, the position of the camera, as well as the camera selected is stored into the preset. Therefore, if preset 1 stores the location of the main camera, preset 1 cannot be used to store the position of the aux camera without overwriting the position of the main camera.

Storing a preset is a three step process.

1. Move the camera to the correct position
2. Press SET-PRESET. SET-PRESET-FB will go high
3. Press the preset to store the position into

To recall a preset, simply press that preset button while SET-PRESET-FB is low.

CRESTRON HARDWARE:	CNXCOM-2 ST-COM
SETUP OF CRESTRON HARDWARE:	Baud Rate - 9600 Parity - Odd Data Bits - 8 Stop Bits - 1
VENDOR FIRMWARE:	iPower 900 Series - 4.0.2.520 iPower 9000 Series - 4.2.0.1009
VENDOR SETUP:	The Polycom system has 2 DB-9 serial ports. YOU MUST USE PORT 1 TO COMMUNICATE FROM CRESTRON TO POLYCOM.

Also, you must enable external control as follows:

1. Using the Start Menu, select Programs > Polycom iPower > Administrator Information > Admin Tools
2. Select "Utilities" from the Category list
3. Select the Custom Control tab
4. Check the box to enable control from an external control system
5. Press OK, and restart the Collaboration software

CABLE NUMBER:	CNSP-124

CONTROL:

NEAR_END_CAMERA	D	Momentary input to select the NEAR END camera for control
FAR_END_CAMERA	D	Momentary input to select the FAR END camera for control
LEFT	D	Pan the selected camera left
RIGHT	D	Pan the selected camera right
UP	D	Tilt the selected camera up
DOWN	D	Tilt the selected camera down
ZOOM-IN	D	Zoom the selected camera tight

ZOOM-OUT	D	Zoom the selected camera wide
PRESET-1	D	Select preset 1
PRESET-2	D	Select preset 2
PRESET-3	D	Select preset 3
PRESET-4	D	Select preset 4
PRESET-5	D	Select preset 5
PRESET-6	D	Select preset 6
PRESET-7	D	Select preset 7
PRESET-8	D	Select preset 8
PRESET-9	D	Select preset 9
PRESET-10	D	Select preset 0
SET-PRESET	D	Momentary input to put the macro into store mode. If a preset is pressed while in store mode, the current camera and location will be stored to that preset

FEEDBACK:

NEAR_END_CAMERA_FB	D	Indicates that the NEAR END camera is being controlled
FAR_END_CAMERA_FB	D	Indicates that the FAR END camera is being controlled
PRESET-1-FB	D	Indicates that preset 1 was last selected
PRESET-2-FB	D	Indicates that preset 2 was last selected
PRESET-3-FB	D	Indicates that preset 3 was last selected
PRESET-4-FB	D	Indicates that preset 4 was last selected
PRESET-5-FB	D	Indicates that preset 5 was last selected
PRESET-6-FB	D	Indicates that preset 6 was last selected
PRESET-7-FB	D	Indicates that preset 7 was last selected
PRESET-8-FB	D	Indicates that preset 8 was last selected
PRESET-9-FB	D	Indicates that preset 9 was last selected
PRESET-10-FB	D	Indicates that preset 10 was last selected
SET-PRESET-FB	D	Indicates that store mode is on. If a preset is pressed while this signal is high, then the current position of the camera will be stored into the selected preset.
To_Device$	S	Serial data string to be routed to a 2-way RS232 port

OPS USED FOR TESTING:	v3.029.cuz 5.12.63x.upz
COMPILER USED FOR TESTING:	SimplWindows Ver 2.03.18
SAMPLE PROGRAM:	Polycom iPower Demo
	2/11/2002 -- version 3.0 completed testing with version 3.0 of the PTel iPower protocol.
REVISION HISTORY:	8/16/2002 -- version 4.0 completed testing with version 4.0 of the Ptel iPower protocol. Added Virtual Serial symbol
	3/13/2003 -- Tested with iPower 9000. Renamed module to "iPower" series