

**SIMPLWINDOWS
NAME:**

Polycom ViewStation v60 Camera Control

CATEGORY:

Codec

VERSION:

1.0

SUMMARY:

Provides control of near and far end cameras

GENERAL NOTES:

This module is for control of any Polycom ViewStation systems except for the VS4000 and ViewStation FX. It will work with Polycom Software version 6.0.1 only. Future releases of Polycom software may cause some functions to stop working.

The only method available for communications with these systems is over TCP/IP, opening up a Telnet session with the Polycom system. Therefore, you must have a CNXENET+ card installed in your control system to enable communications.

When programming the system in SimplWindows, you should insert a TCP/IP Client object into the ethernet portion of the control system, in the configuration manager. In the program view, use 24D for the PORT parameter field. When it is desired to establish the Telnet session with the Polycom system, assert the CONNECT input on the TCP/IP Client. When the session has been successfully established, the CONNECT-F output will go high. It will then be possible to send commands to the Polycom system. When it is desired to end the Telnet session, de-assert the CONNECT input, and the connection will be dropped.

Commands should only be sent to the TCP/IP Client TX\$ input when the connection is active. Therefore, you should connect the output of this module to the input of a Serial Buffer symbol, which is enabled by the CONNECT-F output of the TCP/IP Client. The output of the Serial Buffer should be connected to the TX\$ input of the TCP/IP Client. See the demo program for an example of this implementation.

Note that before resetting the Crestron system (as happens when you load a new program, power cycle the system, etc.), you should end the Telnet session with the Polycom system. If the session is active when the Crestron system resets, the session will not be closed properly, and the Polycom system may need to be rebooted to recover properly.

This module will control both the near and far end cameras, and will provide access to presets 0-9. Note that the pan and tilt functions are not discrete camera control commands, but are emulating the menu buttons on the Polycom IR remote. Therefore, care should be taken to insure that the Polycom is displaying the Near or Far end video screen when these controls are being used.

**CRESTRON
HARDWARE:**

CNXENET+

**SETUP OF CRESTRON
HARDWARE:**

Install a TCP/IP Client

Use port 23D

Be sure to set up the IP table to specify the IP address of the Polycom system for the IP ID of the TCP/IP Client. You must do a cold reboot of the control system after changing these parameters.

VENDOR FIRMWARE:

Release 6.0.1 - 30 Aug 2000

VENDOR SETUP: None
CABLE DIAGRAM: None

CONTROL:

NEAR-END-CAMERA	D	Pulse to take the telephone off hook, or answer phone
FAR-END-CAMERA	D	Pulse to put the telephone on hook, or hang up phone
LEFT,RIGHT,UP,DOWN	D	Pulse to enter a phone number to be dialed
ZOOM-IN.OUT	D	Pulse to clear the number entered
PRESET-0-9	D	Pulse to erase the last digit entered
PRESET-SAVE	D	Pulse to take the telephone off hook, and dial the number currently entered

FEEDBACK:

NEAR-END-CAMERA-FB	S	Serial signal containing the phone number being entered. Should be routed to the serial portion of a touchpanel definition
FAR-END-CAMERA-FB	D	Indicates that the telephone is currently off hook
PRESET-0-9-FB	D	Indicates that the telephone is currently on hook
PRESET-SAVE-FB	D	Indicates the last speed dial preset selected
POLYCOM-TX\$	D	Indicates that save mode is active

.UPZ FILE USED FOR TESTING: 5.12.01x.upz

COMPILER USED FOR TESTING: SimplWindows Version 1.51.08

SAMPLE PROGRAM: Polycom ViewStation v60 Demo Program

REVISION HISTORY: None