

**SIMPLWINDOWS NAME:** None

**CATEGORY:** Camera

**VERSION:** 1.0

**SUMMARY:** Controls 9 cameras, pan/tilt/zoom/focus/4 presets using high reliability protocol

**GENERAL NOTES:** This module is used to control a ParkerVision Cameraman System II.

A CNXCOM port or ST-COM port must be used. It provides control of up to 9 cameras on a single CNXCOM port. However, only one camera can be controlled at a time. It also provides access to 4 pan/tilt/zoom presets.

**CRESTRON HARDWARE:** CNXCOM, ST-COM

**SETUP OF CRESTRON HARDWARE:** The communications format between the ParkerVision and the Crestron system is as follows:

Baud Rate - 9600  
 Parity - None  
 Data Bits - 8  
 Stop Bits - 1

**DEVICE FIRMWARE:** None

**DEVICE SETUP:** The cable connecting the Crestron system to the ParkerVision must be plugged into the RS232 input on the Base Station.

The following dip switches need to be set on the camera unit:

- Protocol - must be in the BASIC (up) position
- Memory - must be in the UNLOCK (up) position
- Interlink - must be in the ENABLE (down) position if more than one camera will be on the bus.

The rotary BASE UNIT ADDRESS switch sets the address of the camera. Position 0 corresponds to CAMERA-1 on the module. Position 1 corresponds to CAMERA-2, etc.

**CABLE NUMBER:** CNSP-121

## CONTROL:

<b>CAMERA-1-9</b>	D	Digital inputs used to select which camera to control These inputs should be pulsed (from buttons, buffers, etc.). The camera chosen will be reflected on the CAMERA-1-9-FB outputs
<b>TILT-UP</b>	D	Activate tilt up for as long as input is held high
<b>TILT-DOWN</b>	D	Activate tilt down for as long as input is high
<b>PAN-LEFT</b>	D	Activate pan left for as long as input is high
<b>PAN-RIGHT</b>	D	Activate pan right for as long as input is high
<b>ZOOM-IN</b>	D	Activate zoom in for as long as input is high
<b>ZOOM-OUT</b>	D	Activate zoom out for as long as input is high
<b>FOCUS-NEAR</b>	D	Activate focus near for as long as input is high
<b>FOCUS-FAR</b>	D	Activate focus far for as long as input is high

<b>FOCUS-AUTO-ON</b>	D	Activate auto-focus
<b>PRESET-1-4</b>	D	Select camera presets. If pressed while PRESET-STORE-FB is high, the current position of the camera will be stored to the selected preset. If pressed while PRESET-STORE-FB is low, then the selected preset will be recalled.
<b>PRESET-STORE</b>	D	Toggles STORE function on and off for preset storing and recalling

## FEEDBACK:

<b>CAMERA-1-9-FB</b>	D	Indicate which camera is currently being controlled
<b>PRESET-1-4-FB</b>	D	Indicate which preset is currently active for the selected camera
<b>PRESET-STORE-FB</b>	D	Indicate the state of the preset store function
<b>PVCAM-TX\$</b>	S	Serial data string to be routed to a CNXCOM or ST-COM

<b>OPS USED FOR TESTING:</b>	3.16.08
<b>COMPILER USED FOR TESTING:</b>	3.18.04
<b>SAMPLE PROGRAM:</b>	PARKDTST
<b>REVISION HISTORY:</b>	None