SIMPLWINDOWS NAME:	Sensormatic AD168 Camera
CATEGORY:	Camera
VERSION:	1.0
SUMMARY:	This module controls the AD168 switcher and cameras connected via Sensornet or RS422.
GENERAL NOTES:	The module allows for monitor selection, camera routing and camera control. The module allows for three camera speeds. It has the ability to automatically increase the speed the longer the pan or tilt button is pressed. It will start at the slow speed. After 2.0 seconds, it will go to the medium speed. After 2.0 more seconds, it will go to the fast speed. If this is not the desired action, the speeds can be manually selected. You could also just put the same value in for all three speeds, or just make two of the three speeds different. TO STORE A PRESET: 1. Move the desired camera to the desired position. 2. Press Save_Preset. 3. While Save_Preset_Fb is high press the desired preset number.
CRESTRON HARDWARE REQUIRED:	CNMSX Internal com port, CNXCOM-2, ST-COM, PRO2 Internal com port
SETUP OF CRESTRON HARDWARE:	Baud Rate - 1200 Parity - None Data Bits - 8 Stop Bits - 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	The Crestron will be another keyboard on the AD168. The RS-232 port should be set up as a keyboard port.

CABLE NUMBER:

Crestron DB-9F Pin		Sensormatic RJ-45 Pin
2	to	5
3	to	4
5	to	7

CONTROL:

MONITOR_*	D	Select the desired monitor.
START_TOUR	D	Start a preprogrammed camera tour on the current monitor.
HOLD_TOUR	D	Hold the currently running tour on the current monitor.
KEYPAD_*	D	Enter the desired camera to view on the current monitor.
KEYPAD_ENTER	D	Press to select the camera number entered above.
KEYPAD_CLEAR	D	Press to clear the numeric keypad.
ZOOM_IN/OUT	D	Press and hold to adjust the Zoom of the current camera.
FOCUS_NEAR/FAR	D	Press and hold to adjust the Focus of the current camera.
IRIS_OPEN/CLOSE	D	Press and hold to adjust the Iris of the current camera.

ENABLE_AUTO_SPEED_UP==1	D	Hold high to allow the camera Pan/Tilt to speed up automatically. Two seconds after pressing and holding pan or tilt, the camera will change from slow to medium. Two seconds later the camera will change from medium to fast. Holding low will allow discrete selection of camera speeds.
SPEED_*	D	Select the desired camera speed. Only available when Enable_Auto_Speed_Up==1 is low.
PAN_LEFT/RIGHT	D	Press and hold to adjust the Pan of the current camera.
TILT_UP/DOWN	D	Press and hold to adjust the Tilt of the current camera.
SAVE_PRESET	D	Press to save a preset. While the Save_Preset_Fb is high, press a preset number to save the current camera position to.
PRESET_*	D	Press to select a preset. If pressed while Save_Preset_Fb is high, current camera position will be saved to that preset.
ALARM_ACKNOWLEDGE	D	Press to acknowledge the current alarm on the current monitor.
FROM_DEVICE$	S	Serial data string to be routed from a 2-way com port

FEEDBACK:

MONITOR_*_FB	D	Indicates which monitor was last selected.
CAMERA_NUMBER	D	Indicates which camera is currently selected for the current monitor.
SPEED_*_FB	D	Indicates which speed was last selected.
SAVE_PRESET_FB	D	When high, pressing a camera preset will store the current camera position in that preset.
TO_DEVICE$	S	Serial data string to be routed to a 2-way RS232 port

PARAMETER:

PAN TILT SLOW SPEED==1	P	Enter a number from 1 to 8 for slow speed. Default is 1.
PAN TILT MEDIUM SPEED==4	P	Enter a number from 1 to 8 for medium speed. Default is 4. Making this the same as Slow Speed will keep the camera at the same speed for 4.0 seconds.
PAN TILT FAST SPEED==8	P	Enter a number from 1 to 8 for fast speed. Default is 8. Making this the same as slow and medium will keep the camera at the same speed for the entire time that the pan or tilt button is pressed.

OPS USED FOR TESTING: 5.12.63x

COMPILER USED FOR TESTING:	SimplWindows Version 2.00.22
SAMPLE PROGRAM:	Sensormatic AD168 Demo.smw
REVISION HISTORY:	None