Partner: AVer
Model: CAM520 Pro, VC520 Pro
Device Type: USB Camera

CRESTRON
CERTIFIED INTEGRATED PARTNER

GENERAL INFORMATION

SIMPLWINDOWS NAME:	AVer-camera
CATEGORY:	Camera
VERSION:	1.0
SUMMARY:	This module will control the AVer CAM520 Pro, VC520 Pro camera. It uses RS232 or UDP communications, stores up to 100 presets on the Crestron system, and allows camera control using Crestron Touch Screen and Crestron App.

GENERAL NOTES:	1 Select the camera ID (use the Set_Addresses)
	 2 There are two ways to control the camera using the Pan/Tilt control
	    2.1 Enable the Auto function, camera will configure the appropriate speed depending on the zoom position
	    2.2 User can manually control camera pan, tilt and zoom.
	 3 Saving a preset is a three step process:
	    3.1 Move the camera
	    3.2 Press "Save "
	    3.3 Press the preset you wish to save the location to
	 4 To recall a preset, just press the preset number.
	 5 Smart frame function.(automatically zoom in to fit all participants into image screen.

CRESTRON HARDWARE REQUIRED:	1. Crestron 3-Series Controller 2. Com port x1 3. LAN port x1
SETUP OF CRESTRON HARDWARE:	RS232 UDP Baud:9600 Port:52381 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	none
VENDOR SETUP:	If you are using more than one camera with the VISCA inputs daisy chained, you must pulse the Set_Addresses input. This will set the address of each camera on the daisy chain. You should only pulse the Set_Addresses input on one of the modules in the program, not on all of them.

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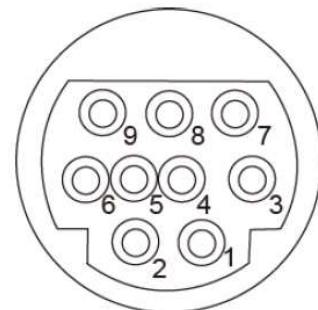**Device Type: USB Camera**

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RS232 Connection

User can use the RS232 cable (included with Advanced model, otherwise sold separately) through the RS232 port to connect up to 7 CAM520 Pro cameras.
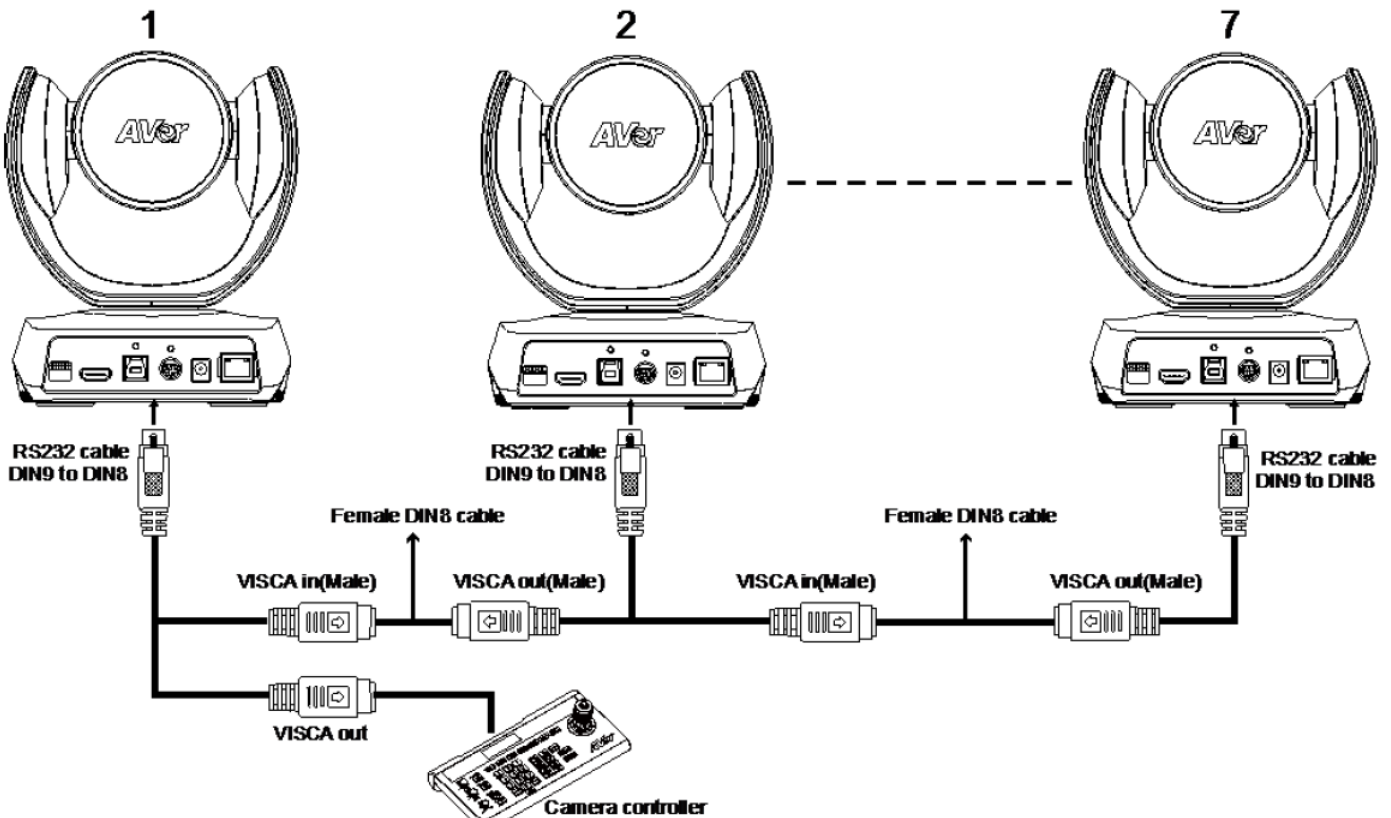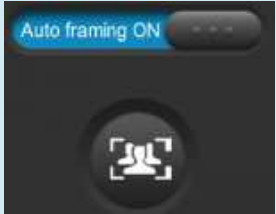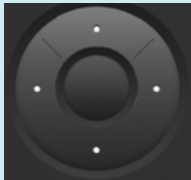

■ RS232 port Pin Definition

PIN #	I/O Type	Description
1	Output	VISCA IN Data Terminal Ready
2	Input	VISCA IN Data Set Ready
3	Output	VISCA IN TXD
4	Input	VISCA OUT Data Set Ready
5	---	Not connect
6	Input	VISCA IN RXD
7	Output	VISCA OUT Data Terminal Ready
8	Output	VISCA OUT TXD
9	Input	VISCA OUT RXD

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Certified Module

Control

Auto framing ON		**SmartFrame function:** When switching to auto framing mode for the first time, you will see pop-up on the top left corner of the Image screen. The camera will begin detecting participants and include everyone in the screen. Once all the participants are in frame, the camera will keep the image stable. When people touch the sides of the screen, it will trigger the camera and automatically switch to wide view mode to detect and frame all the participants again.
Auto framing OFF		
	Up	TILT Up
	Down	TILT Down
	Left	PAN Left
	Right	PAN Right
	Zoom In	Zoom in camera
	Zoom Out	Zoom out camera
	Speed	Set the pan/tilt/zoom speed
	Preset Save	Long press number key to save preset position Short press number key to call preset
	Home	Camera go to home position

TESTING:

OPS USED FOR TESTING:	DIN-AP3
SIMPL WINDOWS USED FOR TESTING:	4.04.03
DEVICE DB USED FOR TESTING:	78.05.001.00
CRES DB USED FOR TESTING:	58.05.002.00
SYMBOL LIBRARY USED FOR TESTING:	1010
SAMPLE PROGRAM:	3-Series: AVER_AP3.smw
REVISION HISTORY:	v1.0 – Initial Release