Partner: AVer
Model: TR/PTZ/PTC
Device Type: Camera

CRESTRON
CERTIFIED INTEGRATED PARTNER

GENERAL INFORMATION

SIMPLWINDOWS NAME:	AVer-Camera
CATEGORY:	Camera
VERSION:	1.0
SUMMARY:	This module will control the AVer TR/PTZ/PTC 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 adjust the speed of 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 TR/PTC Tracking function.

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.

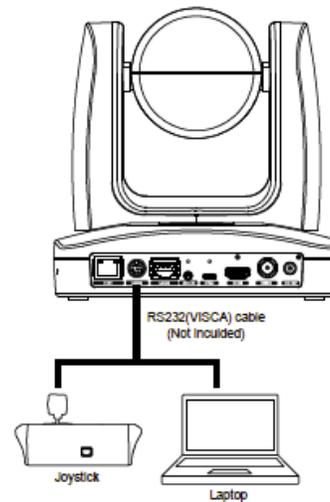**Partner: AVer**
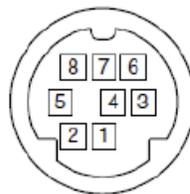**Model: TR/PTZ/PTC**
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CABLE DIAGRAM:

PTZ:

PTZ

RS232 and RS422 Connection

Connect through the RS232 or RS422 for camera control.

■ RS232

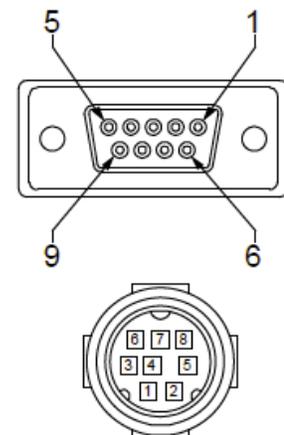RS232(VISCA) cable
(Not Inculded)

Joystick   Laptop

● RS232 Port Pin definition

RS232 Pin	
No.	Pin
1	DTR
2	DSR
3	TXD
4	GND
5	RXD
6	GND
7	NC
8	NC

● Din8 to D-Sub9 Cable Pin definition

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TR/PTC:

RS232 Port Pin definition

CABLE DIAGRAM:
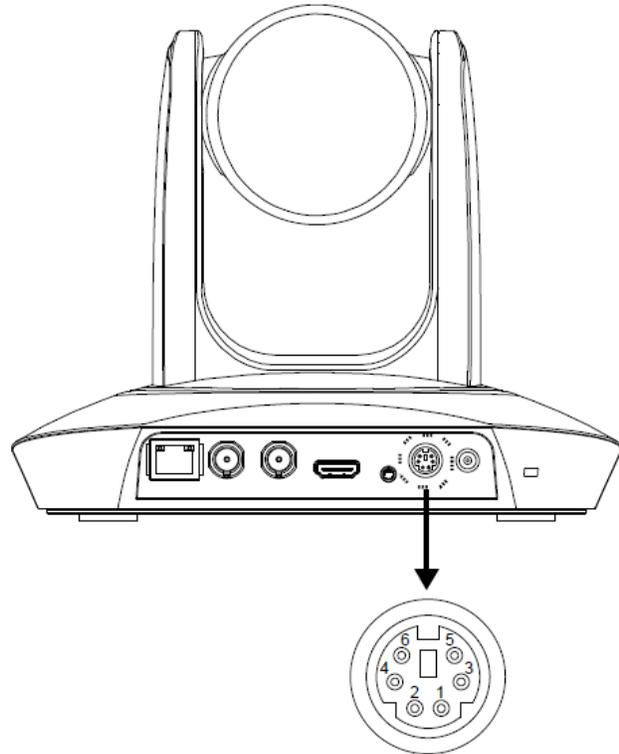
DIN6 PIN No.	I/O Type	Description
1	Output	DTR
2	Input	DSR
3	--	Not Connect
4	Output	TXD
5	GND	GND
6	Input	RXD

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CONTROL:		
ID	D	Set the addresses 1~7 for the cameras
hold_time	D	Save preset Storage time
Power_On	D	Power on camera
Power_Off	D	Power off camera
UP	D	Tilt up
Down	D	Tilt down
Left	D	Pan Left
Right	D	Pan Right
Zoom_In	D	Zoom in camera
Zoom_Out	D	Zoom out camera
focus_Auto	D	Set camera to auto focus mode
WB_Auto	D	Set camera to auto White_Board
Home	D	Camera go to the home position
Speed	D	Set the pan/tilt /zoom speed1~8
Preset_Save	D	Save preset
Preset_1 ~ Preset_100	D	Call preset and save preset(Long Press)
Preset_Fb_clear	D	Preset clear

Track_on	D	Tracking Mode on (TR/PTC Only)
Track_off	D	Tracking Mode off (TR/PTC Only)
Profile1~5	D	Tracking Preset call/save
UDP_Control_52381	D	UDP Control Select
RS232_Control	D	RS232 Control select
Focus_in	D	Focus near in manual focus mode
Focus_out	D	Focus Far in manual focus mode
Menu	D	Menu
Enter	D	Enter

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