

Quick Setup Tech-note using VS-PTC-150 (Controller) with CV620 (Camera)

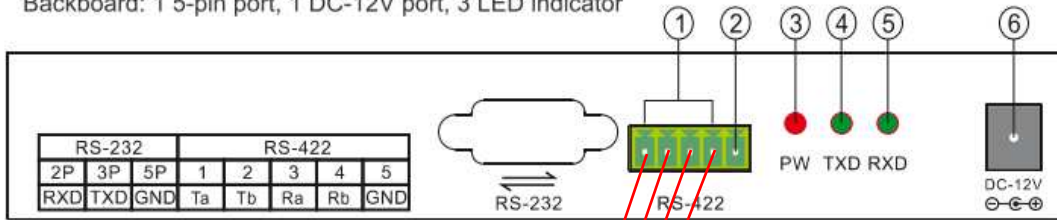
1. Unpack CV620 (Camera) and VS-PTC-150 (Controller) and plug in power sources.
2. Use **RS-232** Cable packed in VS-PTC-150 (Controller) box and plug in VGA-style comm cable with thumb screws to (Controller) and plug round 8-pin connector to CV620 (Camera).
3. Confirm (Controller) is set to CAM: 001 on LCD Screen, or 002, 003, 004 **matching** ADDRESS of Camera. Also confirm both Controller and Camera are set to VISCA or PROTOCOL V.
4. Or use **RS-422** wire harness on VS-PTC-150 (Controller) and CV620 (Camera) and plug 2 wires into each end using one wire to connect from Controller (position #1 - Ta) to Camera (position #6 RXD IN -), then connect other wire to connect from Controller (position #2 - Tb) to Camera (position #7 RXD IN +).

Detailed functions of each portion:

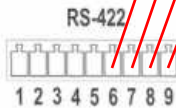
Item	Marked	Interface	Description
①	RS-422	Control output (Ta, Tb, Ra, Rb)	Connect to camera RS422, Bus(Ta) to RXD IN-, (Tb) to RXD IN+, (Ra) to TXD IN-, (Rb) to TXD IN+.
②	Ground	Grounding (G)	Grounding of communication cable
③	PW	Power indicator	Always on, RED
④	TXD	Send data indicator	Data sending status:flicking,green
⑤	RXD	Receive data indicator	Data receiving status:flicking,green
⑥	DC-12V	DC power input	DC power input

VS-PTC-150 Controller

Backboard: 1 5-pin port, 1 DC-12V port, 3 LED indicator



CV620 Camera



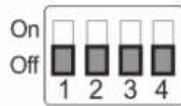
Pin NO.	Function
1	RXD OUT -
2	RXD OUT +
3	TXD OUT -
4	TXD OUT +
5	GND
6	RXD IN -
7	RXD IN +
8	TXD IN -
9	TXD IN +

5. Confirm (Camera) is set to ADDRESS SELECTOR (Camera-ID) #1 position on back panel, or #2 ~ #7.



Setting	Function Descriptions
0-7	ID 0-7
8-9	Reserved

6. Make sure to match either VISCA or PELCO-D protocols, depending on which is being used on Camera and Controller. If using PELCO-D make sure to set menu to **SYSTEM > Protocol > Protocol V** for Visca or **SYSTEM > Protocol > Protocol PD** for Pelco-D *and/or* System Switch on bottom of camera DIP#1 to ON for RS-422 or OFF for RS-232.



Setting	Function Descriptions
DIP 1	RS-232C/RS-422 selector OFF : RS-232C / ON : RS-422
DIP 2	Infrared signal output switch OFF : Off / ON : On
DIP 3	Communication baud rate selector OFF : 9600 / ON : 38400
DIP 4	Reserved

7. Use the following buttons on VS-PTC-150 (Controller) to control Camera functions:

A. **Joystick:** controls Pan-Tilt (directional) - Zoom (twist knob clockwise-zoom in, twist knob counter clockwise-zoom out) and navigates OSD Menu

Operating	Output Control	Operating	Output Control	Operating	Output Control
	Upward		Downward		Left
Operating	Output Control	Operating	Output Control	Operating	Output Control
	Right		Clockwise		Counterclockwise

B. **Function Keys:** controls certain functions on camera

Function Key	Commands
F2	Pulls up OSD Menu , then Joystick navigates the menu (UP/DOWN/LEFT/RIGHT) and Enter operates ENTER on OSD Menu
F4	Turns OFF and ON Power

C. **Basic Command Keys**



-when camera is set to Manual Focus these keys will fine adjust Focus

- operates Lens Zoom IN+/OUT-

D. **Preset & Recall PAN-TILT-ZOOM Locations:** ability to PRESET certain shots on camera

- i.) Choose location with Pan-Tilt-Zoom controls to desired shot
- ii.) Push PRESET button, then Number (1~127) Preset, and Enter to Save (and Esc)
- vi.) to Recall location - Push SHOT then number key of saved location, and Enter

E. **Other Functions & Operation** of Controller can be found in VS-PTC-150 (Controller) Manual or CV620 (Camera) can be found in CV620 Manual.