

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

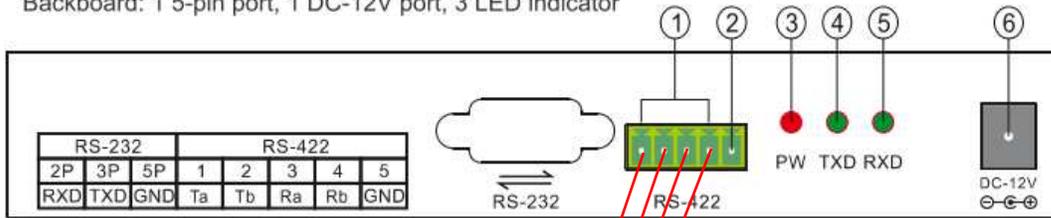
1. Unpack CV620 (Camera) and VS-PTC-150 (Controller) and plug in power sources.
2. Use **RS-232** Cable packed in VS-PTC-150 (Controller) box and plug in VGA-style comm cable with thumb screws to (Controller) and plug round 8-pin connector to CV620 (Camera).
3. Confirm (Controller) is set to CAM: 001 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 |

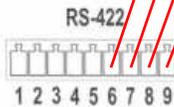
VS-PTC-150 Controller

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



| RS-232 | | | RS-422 | | | | |
|--------|-----|-----|--------|----|----|----|-----|
| 2P | 3P | 5P | 1 | 2 | 3 | 4 | 5 |
| RXD | TXD | GND | Ta | Tb | Ra | Rb | GND |

CV620 Camera



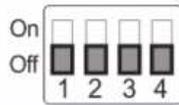
| Pin NO. | Function |
|---------|-----------|
| 1 | RXD OUT - |
| 2 | RXD OUT + |
| 3 | TXD OUT - |
| 4 | TXD OUT + |
| 5 | GND |
| 6 | RXD IN - |
| 7 | RXD IN + |
| 8 | TXD IN - |
| 9 | TXD IN + |

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:

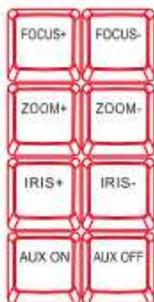
A. **Joystick:** controls Pan-Tilt (directional) - Zoom (twist knob clockwise-zoom in, twist knob counter clockwise-zoom out) and navigates OSD Menu

| | | | | | |
|-----------|----------------|-----------|----------------|-----------|------------------|
| 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.