

Introduction & Features

The VS41 is an intelligent 4 camera switcher for controlling front, rear, and blind spot cameras. Manually connect cameras and trigger wires, or connect to a BCI-, RP4.2-, or RP5.2-module's Expansion Port for full digital control, and fast easy connectivity. VS41 accepts pulsed or constant inputs.

Important Notes

- If you are using the VS41 with another PAC interface, such as a BCI-, RP4.2-, or RP5.2-, with an Expansion Port, simply connect the 10-pin connector into the module. Do not manually wire the positive or negative trigger wires. The BCI-, RP4.2-, or RP5.2- module will digitally control the VS41 switching operation when connected to the Expansion Port.
- 2. The VS41 video output will always default to the signal from Input 1 when none of the input triggers are activated. This Input is ideal for connecting the rear (reverse) camera.
- 3. The VS41 inputs have priority in descending numerical order. For example: If you have Input 3 or 4 triggered, then you trigger a lower number input (for example Input 2), Input 2 will take priority over the higher numbered Input.
- 4. The input triggers can accept either a pulsed or constant input, making them ideal for connecting to a turn signal as a trigger.
- 5. The reverse trigger output will provide a 150 mA 12v (+) trigger while any of the input triggers are activated.
- 6. Upon deactivation of the last positive or negative trigger, the last video input source and the reverse trigger output will remain active for an additional 3 seconds. (Not applicable when used with a BCI-, RP4.2-, or RP5.2- interface).
- 7. If there is poor video quality after installation of this module, please ensure quality connections on any RCA connections.
- 8. Positive Input triggers accept input voltages in the range of 2v to 12v.

Wiring Connection Chart

Video Output	
Video 2 Input	
Video 4 Input	
Video 1 Input Priority / Default	
Video 3 Input	
White Input 1 trigger (+)	
White/Black Input 1 trigger (-)	VS41
Gray Input 2 trigger (+)	Intelligent 4 Camera Switcher
Gray/Black Input 2 trigger (-)	For Connecting Front, Rear, and Blind Spot
Green Input 3 trigger (+)	
Green/Black Input 3 trigger (-)	
Purple Input 4 trigger (+)	
Purple/Black Input 4 trigger (-)	
Purple/White Reverse trigger output (+)	J[[1]]
Yellow Accessory 12v (+)	·]
Black Ground (-)	
10-Pin Plug Connect to the Expansion Port on BCI-, RP4.2-, or RP5.2- Module. Do not manually wire Input triggers when using this plug	



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