

VS-001 Video Camera Switcher Operation Details

When the VS-001 see a pulsing DC voltage from the vehicles turn signal lamp, the video switcher will lock on to the video signal plugged into the corresponding turn signal input jack. The switcher will stay lock on the turn signal video until the turn signal is shut off.

After the VS-001 no longer has voltage on the white (left) or gray (right) turn signal wires, the switcher will prioritize to the video signal plugged into the backup video input jack.

A momentary button can be connected to the yellow and brown wire. Pressing the button will allow the user to cycle through the camera video signals plugged into the VS-001. A second momentary button can be wired in parallel with the first button and installed in a secondary location. This allows a second monitor location to cycle through the camera video signals also. You must use a quality 2 conductor wire WITH SHIELD, a quality momentary button, and a .047 capacitor within 1" of the switch across the 2 conductors for the secondary toggle switch. If these precautions are not taken, transient voltage spikes between the VS-001 and the seconds toggle button can cause intermittent cycling of the video signals.

The VS-001 switcher uses video signal voltage sensing to determine if a video input has a camera plugged into it. This is why the cameras must be powered from a constant source; especially for security usages. If a camera is outputting low video signal voltage, then the VS-001 may skip over the input when the user toggles the momentary buttons.

It is recommended that the camera video cables be plugged into the VS-001 inputs next to each other. Do not leave empty video inputs on the VS-001 between camera video inputs.

<u>Best</u>	<u>Slower</u>
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This will minimize delay time when cycling between cameras.

If DC voltage is present on the white (left turn), gray (right turn), or violet (back up) wires; the VS-001 will not cycle through the camera video signals via the momentary button.

If DC voltage is present on both the white (left turn) and gray (right turn) wires because the 4 way flasher is on; the VS-001 will stay locked on the back up camera video input.

The black wire (ground), needs to be connected to battery (-) ground.
The green wire (chassis ground), needs to be connected to frame ground.
The blue wire (reverse trigger output), is used IF your monitor requires a reverse trigger input.

VS-001 Video Camera Switcher Wiring Details

- RED** +12 Volts Power (House battery)
- BLACK** -12 Volts Power (House battery)
- WHITE** Left Turn Signal Voltage From Lamp
- GRAY** Right Turn Signal Voltage From Lamp
- GREEN** Chassis Ground For Turn Signal Circuit. (Turn signals operate from chassis battery)
- VIOLET** Reverse (Back up) Voltage From Lamp
- BLUE** Output Trigger Voltage To Monitor For Priority Override
- YELLOW** + Side of Toggle Switch (Cycles through cameras)
- BROWN** - Side of Toggle Switch

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