

Traficon Video Detection common field installation problems

The following are several common issues fielded by the Technical Support Department regarding field installations.

1. No Video or lack of a valid video signal will result in the absence of the "Video" LED illumination on the Traficon Video Processor's (VIP) front panel. The absence of a valid video signal could be caused by the following problems.
 - A. *A blown fuse on the Camera Power Distribution Panel for that camera.*
 - B. *Severed Coax/Power cable from the Controller cabinet to the camera.*
 - C. *Bad connections at the camera power/video Splice Box located on the camera mounting brackets.*
 - D. *Bad BCN connectors either at the camera power/video Splice Box or in the Controller cabinet.*
 - E. *Bad video suppressor located in the Controller cabinet.*
 - F. *Video terminations at the Controller cabinet Loop Panel bad or miss wired.*

2. Wrong or no outputs from the video loops to the controller.
 - A. *The video loop may not have an output assigned or may have the wrong output assigned. This can be checked by going to the Outputs menu and then to the Assign Outputs submenu. Make sure each used output has a "+" (or output) or an "x" (and output) to the left of the output number by moving the cursor to the desired output. The "+" (or output) is the most commonly used assignment. The highlighted video loop on the monitor can be assigned or unassigned by pressing the enter key on the keypad while that video loop is highlighted. There are three*

possible choices when assigning an output to a video loop. They are assign output, unassigned output, and invert the assigned output. The inverted output is identified by the line over the output number appearing in the video loop.

B. The NEMA TS 1 Video Detection Rack may be wired incorrectly. Check to be sure the proper output wire is terminated to the required controller input. Also be sure the Video Detection Rack Logic Ground wire is terminated to the Controller Logic Ground.

3. Video Detection Loops are not detecting or are missing vehicles.

A. Check the "Video Level" in the Params menu. This value should only be set during daylight hours. Adjust the video level so the horizontal bar that appears on the monitor is about half white and half black. It is best to adjust this setting with no vehicles present in the field of view of the camera. If it is not possible to adjust this setting with no vehicles present in the field of view, then adjust the setting so there is equal movement white to black.

B. Be sure the Video Loop is placed so vehicles drive through the loop. The tendency is to draw the loop in the exact center of the travel lane. At times the Video Loop may have to be drawn off center of the travel lane to compensate for the camera location.