

Product Manual

Vehicle Camera Safety Systems

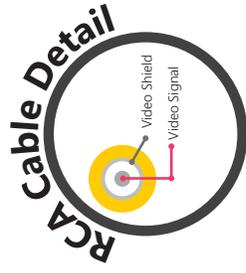
SAFESIGHT

SC0302

III. VIDEO CABLE CONNECTION



Note: This cable is usually 18-25 ft long and has bare red lead as part of the cable. This lead is a raw lead that can be used for a couple of purposes. Imagine this red wire is a single wire tapped the entire length of the RCA cable and can be used to send the reverse trigger signal to the front of the vehicle. The red lead can also be used in some installations to continuously power the camera if you want your system always on with the vehicle.



IV. CAMERA FEATURES

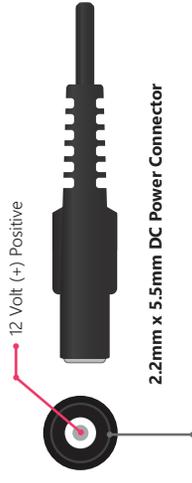
The camera comes with Parking Assist Lines and Reverse/Non-reverse image capabilities.

- 1) Disconnect power to the camera.
- 2) Cut the Green Loop in the middle to disable parking lines (Properly insulate cut-wires) Reconnect if lines are desired.
- 3) Cut the White Loop in the middle to enable normal image (Properly insulate cut-wires) Reconnect for reverse image.

II. SPECIFICATIONS

Sensor	CMOS
Effective Pixels	648px(H) x 488px(V)
Vertical Sync	NTSC 60 Hz
Sync System	Internal
AGC	Auto
BLC	Auto
Resolution	420 TV Lines
S/N Ratio	>48 dB
Current Consumption	<200 mA
Power Supply	12 Volts DC
Operating Temperature	-22°F - 176°F
Viewing Angle	170°
Waterproof Rating	IP67
Minimum Illumination	0.5 LUX / F1.2
Parking Lines	Yes (Selectable)
Normal / Reverse Image	Normal and Reverse
Dimensions	3/4" (Dia) x 15/16" (L)

II. POWER CONNECTOR



2.2mm x 5.5mm DC Power Connector

- The camera power connection can be made in several places. You can connect main power by:
- Using a cigarette lighter cord
 - Tapping power at the fuse block*
 - Tapping power from an auxiliary circuit*
 - Tapping power at the reverse light** (Recommended)
 - Tapping power from the key cylinder*

- 1) Connect the RED wire to the +12 volt power (explained above).
- 2) Connect the BLACK wire to ground (a metal, non-painted surface).
- 3) Run the video cable through the vehicle, up to the video display.

* Recommended fuse rating: 2 amp

VI. REVERSE TRIGGER CONNECTION

The reverse trigger is a positive signal that causes the monitor and camera to automatically turn on when the vehicle is placed in reverse. We recommend that you tap this signal at the light bulb connector. To access this you will need to remove the tail light of the vehicle.

Once you have removed the tail light housing, you will use a voltmeter to determine which lead supplies 12 volts positive power. This is done by setting your voltmeter to DC volts and probing the wires with the light bulb removed to determine which is positive and what wire is ground.

Note: This step must be done with a voltmeter; guessing or using a test light will yield incorrect results.



VII. CAMERA MOUNTING

Find a suitable location to mount the camera. Make sure that camera's field of view is unobstructed and take precaution when drilling holes to not damage the vehicle, hidden wiring, or other vital vehicle items (Crash supports)

- 1) Verify there is adequate mounting depth for hardware and camera body.
- 2) Verify cameras field of view prior to drilling any holes by powering the camera.
- 3) Use supplied drill bit and mounting hardware to secure camera in its mounting location.