



KP1S Installation Guide with INT1S Power Adaptor

1. KP1S Windshield Mounting



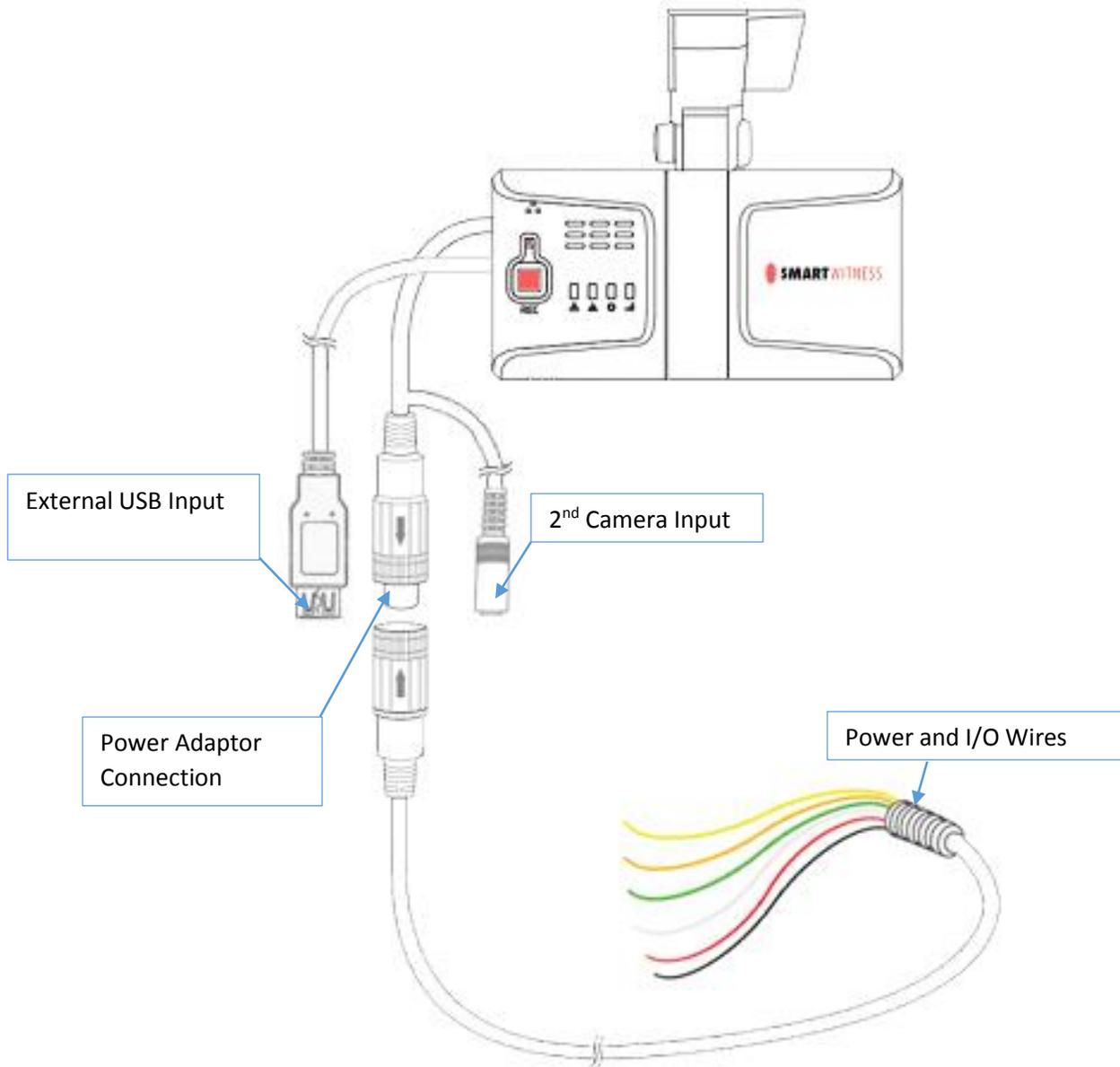
Apply provided 3M VHB adhesive pad to the mounting bracket and press firmly to adhere.



Clean the windshield with alcohol and make sure it is dry. Then remove the red 3M paper from the adhesive and press firmly and hold on the windshield for about 20 seconds.

****NOTE: adhesive cures best when installed in moderate temperature environment. Not recommended to install in cold weather.***

2. KP1S Diagram





3. KP1S Bracket Attachment & SD Card insertion



Use the provided keyset to unlock and remove the locking cover. To unlock the cover, insert the provided keyset and turn counter-clockwise 90 degrees. Once unlocked, press firmly on the two buttons on either side of the cover and pull the door away from the camera.

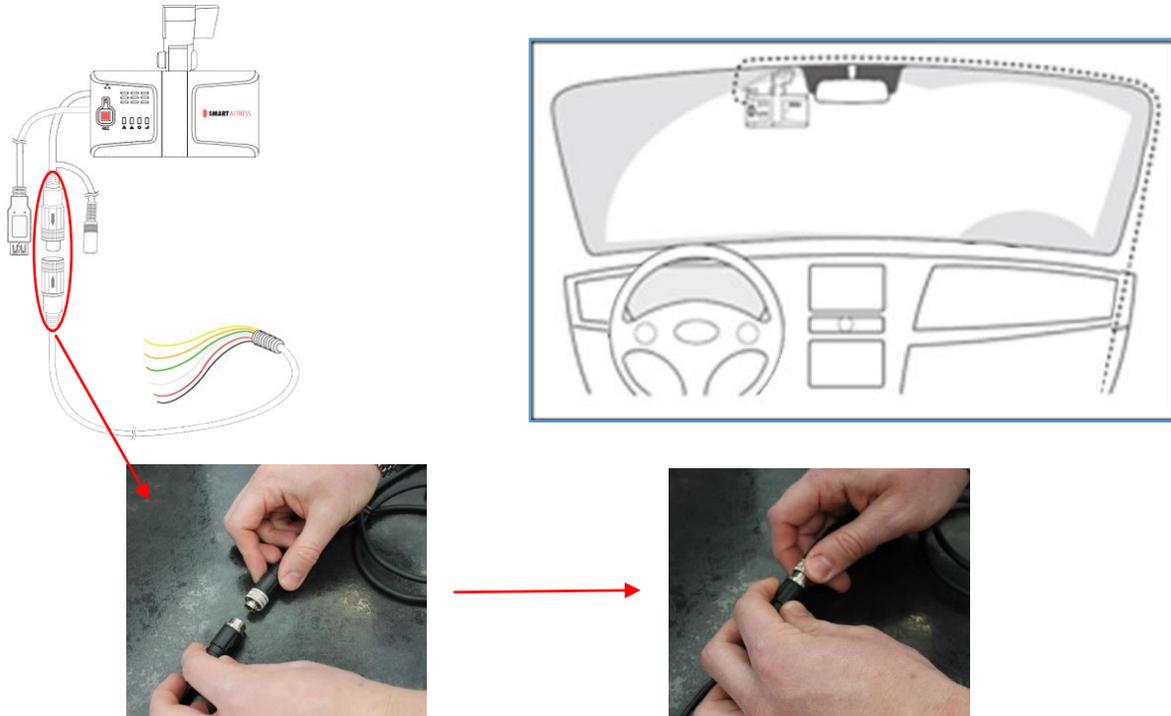
Once the locking cover is removed, you can adjust the angle of the camera to comply with the angle of your windshield. When you are happy with the angle on the windshield, slide the case back onto KP1 and lock.



SD card(s) must be first initialized with KP1 Config Tool software, which is available for download on our website: <http://support.smartwitness.com> . After SD card initialization, you can customize your settings and save the settings to your SD card(s). The settings will apply to the camera at the next power up.

Please refer to the KP1 user manual for more detailed instruction on SD card initialization and configuration settings.

4. KP1 Power Connection to Vehicle



To connect the cable to either the cigarette lighter adaptor or either junction box, attach by lining up the arrows on each cable and then push together. To secure them together, twist the silver plate as shown above

Once your camera is mounted on the dash, you can run the cables up and around the edge of your windshield (or up in the headliner) and down the side panel (A pillar). Make sure you go in the direction of your vehicle power/fusebox/input panel.

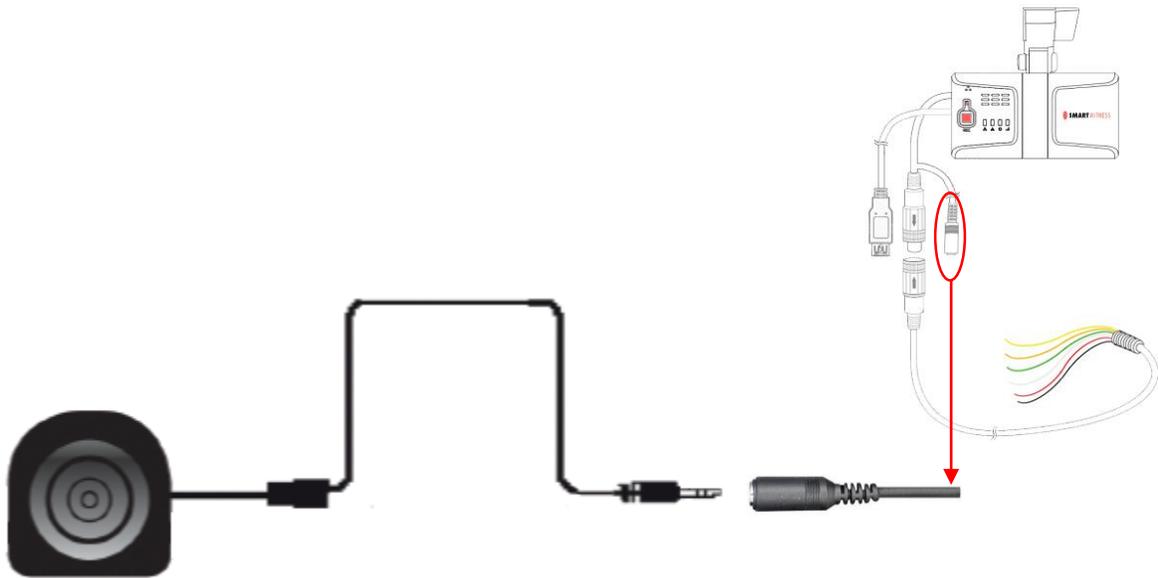
-  **Black (Ground)**
-  **Red (Power Battery +)**
-  **White (Power ACC +)**
-  **Green (Alarm In, NC/NO), (External panic button+)**
-  **Black (Ground), (NC/NO Alarm-)**
-  **Orange (Alarm In, Voltage on/off (3~70V))**
-  **Yellow (Alarm out), Low(0V) to High (5V)**

Power Specifications
 Input: DC 10~32V, 200mA
 Output: DC5V, 2500mA

Make sure vehicle ignition is off and keys are out, then connect the RED, WHITE, and BLACK wires to the inputs as specified above. GREEN, ORANGE, and YELLOW wires are optional. Installation should only be performed by a professional.



5. KP1S connection to 2nd Camera input (5V camera ending in “-S”) (Optional)

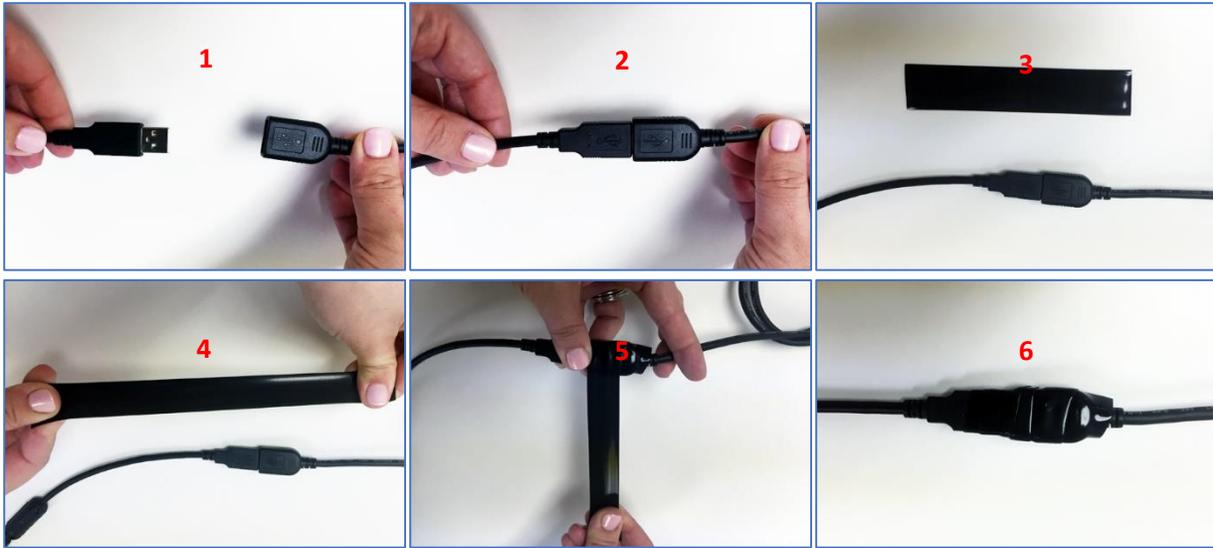


All SmartWitness cameras ending in “-S” (i.e. SVA033-S) are equipped simple plug & play connections to KP1S’ 2nd camera input. Simply connect the 2.5mm male stereo connector into the female stereo input on the KP1 and mount the camera to your desired location in or around the vehicle. Please refer to the specific camera model’s user guide for more detailed information on mounting locations, maximum extension cable length, and weatherproof rating.

6. KP1 connection to 3G modem (Optional)

P/N: KP1-INT3-MTD





6a. Connect the male USB port from the 3G Modem (part # KP1-INT3-MTD) into the female USB port as seen in pictures above. You can further secure the male/female USB connection with the provided silicone rubber tape. The tape is self-fusing and does not require heat to be applied. It stretches 300% and is fully fused within 24 hours after application. It is best to stretch the tape, start from one end and overlap at an angle until you reach the other end of the connector.



6b. GSM/HSPA only (Model # KP1-INT3-MTD(GB), Verizon [KP1-INT3-MTD(VZ)] and Sprint [KP1-INT3-MTD(SP)] models use CDMA/EVDO technology which does not utilize SIM cards.

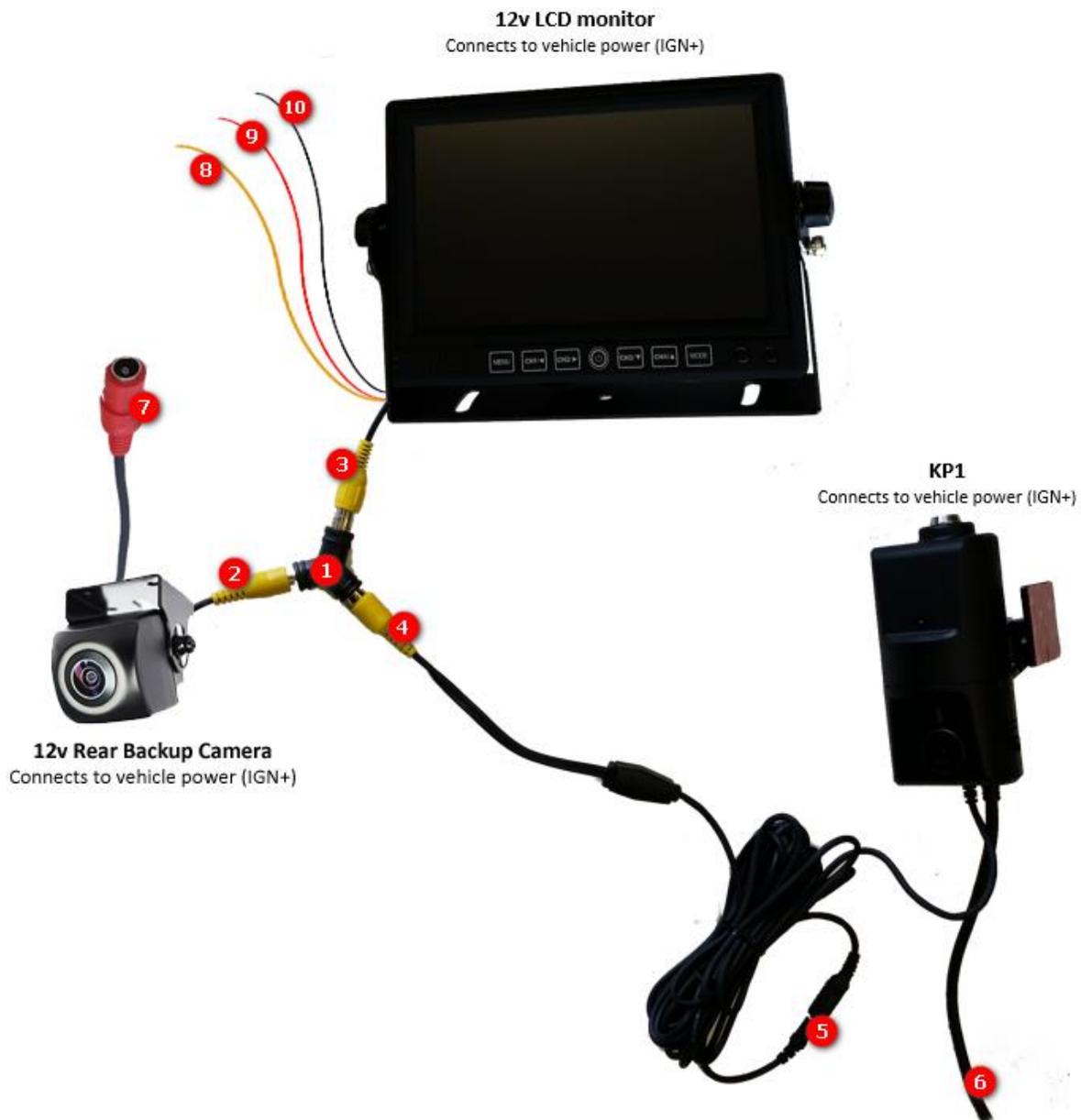
Insert the SIM card into the back of the 3G Modem by removing the door on the rear of the modem. Inserting your activated SIM card into the SIM slot, as seen in above pictures. Then reconnect the SIM door and apply the provided 3M VHB adhesive. Once applied, you can apply to your desired location on the windshield. The excess USB cable and KP1 cable should be tucked neatly in the roof lining or along the edge of the windshield. It is recommended to adhere the modem in the “blue zone” of the windshield to reduce the amount of direct sunlight.

***NOTE:** If you’re using the Wi-Fi modem [part # KP1-INT3(WiFi)], it should be inserted into the USB port inside the KP1 locking cover. In this case, you can tuck away the unused external USB cable alongside the KP1 power cable.





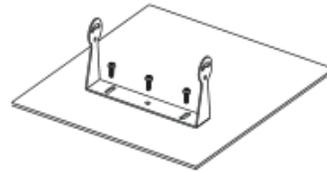
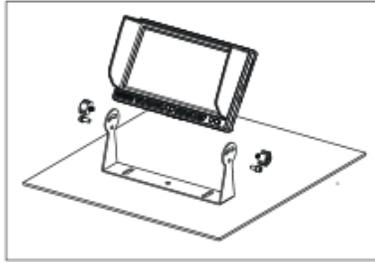
7. KP1S connection to LCD display & rear backup camera (Optional)
(KP1-YC Adaptor cable required)



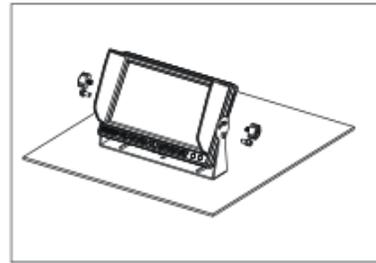
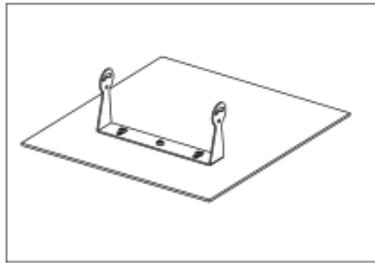
- 1) RCA "Y" Splitter (part of "KP1-YC")
- 2) Rear Camera Video RCA male input into Y Splitter
- 3) LCD female RCA Video input 1 connected to Male RCA of Y splitter
- 4) RCA to 2.5mm stereo connection from Y splitter to KP1 cam input 2
- 5) KP1 cam input 2 connected to 2.5mm stereo to RCA input of Y splitter
- 6) KP1 power cable
- 7) 12V power cable for rear backup cable (IGN+)
- 8) Trigger cable for video input 1 of LCD monitor. Connected to rear backup sensor
- 9) 12V power input for monitor (IGN+)
- 10) Ground (bat-) for LCD monitor

5. LCD monitor installation (Optional)

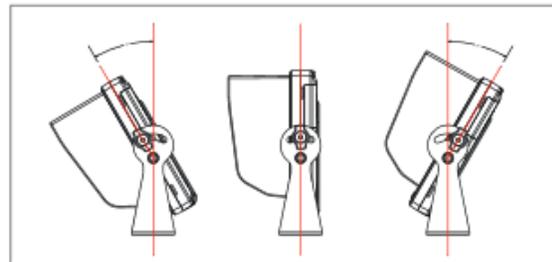
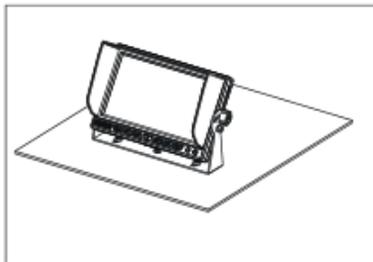
1. Put U type bracket in the desired position and prepare the screws.
(See Below)



2. To lock the bracket with screws, place the monitor in the bracket and adjust to the desired angle. Then, screw the monitor into place.
(See Below)



3. Once installed, the monitor can be adjusted forward 30° and backward 30°. (See Below)





5. Final Steps

After installation of the KP1 and optional accessories (2nd camera, 3G modem, LCD Monitor) into the vehicle, you can turn on vehicle ignition and the KP1 will power on (and if applicable, the LCD, rear camera, and 3G modem). There will be a sequence of LED lights cycling during boot process. **Once boot up is complete. There will be a solid blue light. This means proper operation and recording. If 3G modem is being used, the Green light should be solid as well. If Green light is blinking, then there is a server error. If a red led comes on after bootup, there is an error and you should contact your supplier. Please refer to KP1 user manual for more details on LED status indicators.**

- 1) After you've set the camera angle, locked the cover and removed the Key, press the G-Sensor calibration button once (small red button ABOVE the panic button)



- 2) Press the panic button and initiate a test recording. The blue light should blink rapidly (Note: if using Continuous Record mode, the blue light will not blink rapidly when pushing the panic button)
- 3) OPTIONAL: If using LCD monitor and Rear Camera, put the vehicle into reverse to ensure the rear camera automatically displays on the LCD monitor.
- 4) OPTIONAL: Set the LCD video input 1 to be "mirrored" (or flipped) by accessing the setup on the LCD GUI. The rear camera image should be orientated the same as a mirror, so the driver is not disoriented when looking at the LCD monitor.

Please visit <http://support.smartwitness.com> for additional information or troubleshooting help