



Model TS-830(AHD) Mobile DVR Set-Up Instructions

Written For Truckers By A Trucker

I wrote this manual because I was probably the first purchaser of this model of “dash-cam” system. I am a truck driver, but I am also very technically-oriented – and I quickly realized that most truck drivers would have problems in setting up not only the mobile DVR, but in setting up and using the two software programs required to view, download, and convert their videos to a format that a PC could read & play.

Mobile Digital Video Recorder Installation Tips

- **Camera Mounting**

- **Camera Placement**

- The video cameras that come with the mobile DVR have a very wide field of view. The small “bullet” cameras that you probably used for your rear-facing cameras will show you two lanes of traffic at the rear of your trailer when you line up one side of the view with the side of your truck cab. At night, you will see about half of your trailer length until another vehicle comes up on you – the IR night vision is better than most cameras their size.
 - The larger camera that you probably used for your “dash-cam” will let you see about a 170-degree arc in front of your truck – at a distance of one truck length, you will see the lanes on either side of you. You might consider placing this camera outside, though (it's waterproof), because the IR is very strong at night in the dark and will reflect off of the inside of your windshield at night – effectively blinding the camera with it's own glare.

- **Camera Extension Cable Connector Placement**

- You'll want to either run your camera cables so that the extension cable connector is inside the truck, or use some good-quality dielectric grease when you screw them together to keep out any slight water seepage.

- **Mobile DVR Placement**

- While your first thought will probably be to mount the DVR out of sight – maybe behind the seat – you will probably want it somewhat visible so that you can use the infrared remote control without having to crook your arm over the seat. Mount it somewhere where it has a clear view of you in the driver's seat – maybe under the dash, or some other visible spot.

- **Monitor Placement**

- At first, I mounted my monitor below the upper storage tray, above the windshield; I quickly realized that the light coming in through the windshield put a glare on it and I couldn't see the screen. I ended up mounting it on the dash, just to the right of the instrument panel on my Kenworth T-680. Easily visible while driving, with no glare from outside sunlight.

Simplified MDVR Wiring Diagram

Mobile DVR Installation, Cigarette Lighter Powered

These are the absolute minimum required wiring connections in order to power the FalconEye Model TS-820 & TS-830 Mobile DVR installations in a motor vehicle.

Vehicle's cigarette lighter socket must be constantly powered. The Accessory wire may be connected to the vehicle's ignition "Accessory" circuit if desired.

An after-market cigarette lighter plug may be used, or wires may be connected directly to vehicle wiring for permanent installations.



Note: Supplied cables may have differing wire color coding. Color codes are not standard, and cable wires may differ in color, but will be labeled with a label sleeve on the wire insulation. Double-check wire insulation labeling before plugging connectors into monitor & MDVR unit.

