



Zero Latency Monitor Installation

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INTRODUCTION

The Zero-Latency Monitor enables GO Focus Pro to support up to 4 auxiliary cameras and provides a display output that functions as a blind-spot monitor. Auxiliary cameras connect to GO Focus Pro, appear as additional video channels, and the TVI output mirrors selected views for live in-cab display as a blind-spot monitor.

NOTE: Only available for use with TVI cameras, USB cameras are not supported.



RECOMMENDED TOOLS & CONSUMABLES:

- [Panel Removal Tool](#) (1)
- [Multi-Bit Screwdriver with Assorted Bits](#) (1)
- [1/4" Metric Socket Set with Ratchet or Driver](#) (1)
- [Cable Ties](#) (1)
- [Flush Cutter](#) (1)
- [Cordless Drill](#) (1)
- [DMM](#) (1)



HARDWARE & ACCESSORIES:

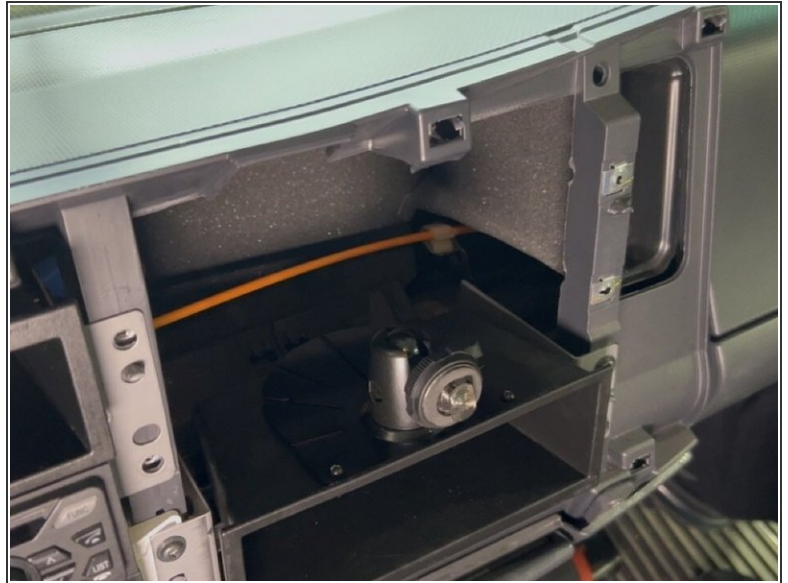
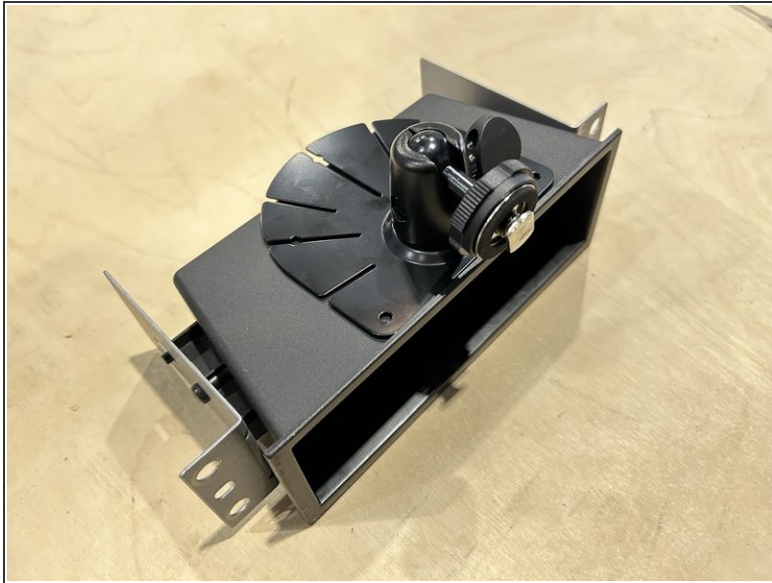
- [HDW-TVIMONITOR - GO Focus Pro - External Auxiliary Cam - Zero Latency Monitor - TVI](#) (1)
- [HRN-TVI-12-DISP - GO Focus Pro - External Auxiliary Cam - Splitter Cable - Zero Latency Monitor - TVI](#) (1)

— Identify Mounting Location



- Determine the ideal mounting location for the monitor inside the vehicle cab.
 - ⓘ For some vehicles, the monitor can mount into an available DIN slot in the dashboard.
 - ⓘ Mounting locations may vary depending on the vehicle.
- Remove any dash panels or trim pieces required to access the mounting location.
 - ☒ Use a trim removal tool or screwdriver to carefully unclip or unscrew the panels.
- ⓘ Set all removed panels and hardware aside in a safe location to be reinstalled later.

— Install the Monitor Bracket



- Install the mounting bracket assembly
 - ⚠ Ensure to test fit the mounting bracket assembly and monitor before mounting to ensure the monitor does not obstruct any of the controls on the vehicle.
- Secure the bracket using the provided hardware. Use a power drill to drive the mounting screws until the bracket is firmly seated.
- ⓘ The ball-mount arm on the bracket should be accessible from the front of the slot once installed.
- ⚠ Verify the bracket is secure and does not shift before proceeding.

— Monitor Power Connections



- Prepare the monitor harness for power connections using Geotab's best practices.
 - ⚠ **IMPORTANT:** Check wire labels before connecting as the wire colors may vary.
- Connect the prepared harness to the vehicles fuse panel.
 - ⚠ **Always use a digital multimeter to locate and verify your connection points.**

— Monitor Harness Routing



- Route the monitor connector from the vehicle fuse panel to the monitor mounting location.
 - ☒ Some vehicles may require you to drill a hole to pass the connector / cable through the dashboard.
 - ⚠ Before drilling, check behind the mounting location to ensure the area is clear of any obstructions or electrical wires/components.
 - ⚠ Ensure the cable is routed away from any moving parts, sharp edges, or pinch points.
 - ⓘ Leave enough slack at the front to connect to the monitor once it is seated.

— Splitter Cable Connection



- Connect the HRN-TVI-12-DISP Splitter Cable as shown in the image.
- ☒ Each TVI camera will require a separate splitter Cable.
- ⓘ Both Splitter Cable outputs must be connected to the same input (for example, Cam 1) on both the TVI Monitor and Hub Cable.

⚠ Secure all excess wiring with cable ties.

⚠ Trim any excess cable tie.

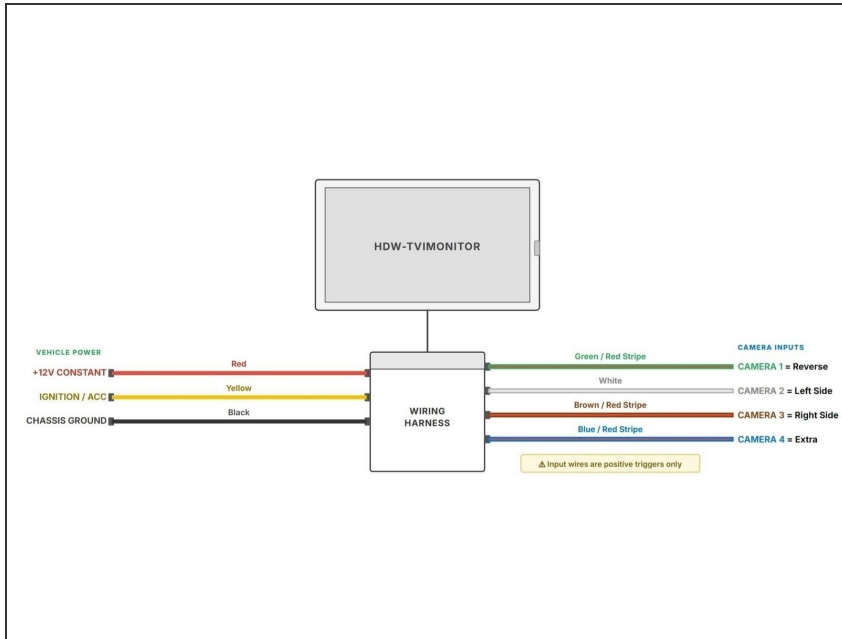
— Monitor Connection



- Connect the round connector from the harness to the monitor.
- Carefully slide the monitor into the DIN bracket, engaging the ball-mount arm.
 - ☒ Adjust the monitor angle for optimal visibility from the driver seat, then tighten the ball-mount knob to lock the position.
- Turn on the vehicle's ignition and confirm the monitor powers on and displays a camera feed.

⚠ If the monitor does not power on, check all cable connections and verify the fuse is intact.

— Monitor Settings



① Monitor channel assignments.

- ✦ Channel 1 - Rear Aux Camera
(Dedicated to rear camera)
- ✦ Channel 2 - Left Side Camera
- ✦ Channel 3 - Right Side Camera

— Reverse Trigger Wire (Optional)



- ① Locate the reverse trigger wire in the vehicle.
- Route camera input wire to the location of the trigger wire in the vehicle.
 - ① Channel 1 of the monitor should be used for reverse, this is the image that populates reverse lines when triggered.
 - ☑ Connect the trigger wire to a 12V source that is active only when the vehicle is in reverse (e.g., reverse light power wire).
- Shift the vehicle into reverse to confirm the rear camera view switches on automatically.

— Secure Wiring and Reinstall Dash Panels



- ⚠ Ensure all excess wiring is secured using cable ties and that it does not obstruct the safe operation of the vehicle in any way.
- Reinstall any dash panels or trim pieces that were removed.
- ☑ Perform a final check of all camera views and monitor functions.