

BIR 10 Inch Touch Screen Dual HD Dash Cam / Rear View Mirror

I purchased this product from Amazon for \$139 for my 2017 Chevrolet Bolt.

[BIR Dual Dash Cam/Mirror](#)

This is a high quality no nonsense, no frills, no glitz front and rear high resolution Dash Cam with the added advantage of a rear view display that fits over the existing rearview mirror.

This dual dash Cam "Mirror" replacement does a very good job meeting the basic requirements it addresses.

There are three functions this product provides that I am not using.

1. My Bolt has a backup camera so I did not connect the rear Camera to the backup lights.
2. I have turned off the G sensor because I am using a 64 GB SD Card which can hold 2 hours of recording both front and rear. The G sensor locks files on a collision. If you tap the lock icon on the screen, you can lock the file manually. You can also remove the SD Card to preserve the video from the accident. Also turning off the car will prevent further recording.

Locked files cannot be overwritten. The G sensor can be set to 3 sensitivity levels or it can be turned off. I found that a bumpy road causes files to be locked. Rather than go through the trouble of trying to find the right sensitivity level I decided to just turn the G sensor off. This assures that recording will loop endlessly without locking any files.

3. The screen on the rear view display is highly reflective and can be used as a conventional rear view mirror by turning off the display. I live in Florida where it is very sunny and the angle of the sun in winter is very low. This causes objects like seats and passengers to be brightly illuminated resulting in reflections on the display. This makes the display hard to see at certain times of day.

I have dealt with this problem by using a tablet screen protector on the display to eliminate glare. This has proven to be highly effective. The display was shipped with a protective film over the screen. I removed this and saved it. This served as an excellent pattern for cutting the tablet screen protector to the right shape and size to cover the display.

I purchased Tech Armor Anti-Glare/Anti-Fingerprint Film Screen Protector for Apple iPad Pro 12.9-inch for \$10.95 including tax. I chose the screen protector for its price, glare protection and large size.

https://www.amazon.com/gp/product/B016B12TSW/ref=ppx_yo_dt_b_asin_title_o02_s00?ie=UTF8&psc=1

Recording Quality

Evaluating video image quality is subjective so I have included short day time and night time videos so you can decide for yourself. Only the bottom half of the rear video is displayed.

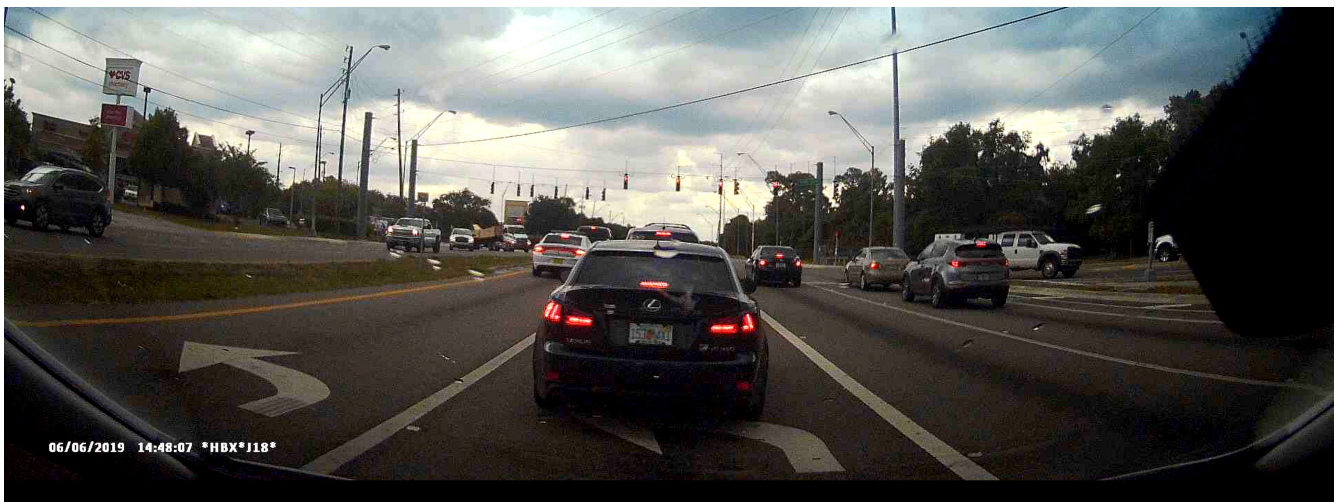
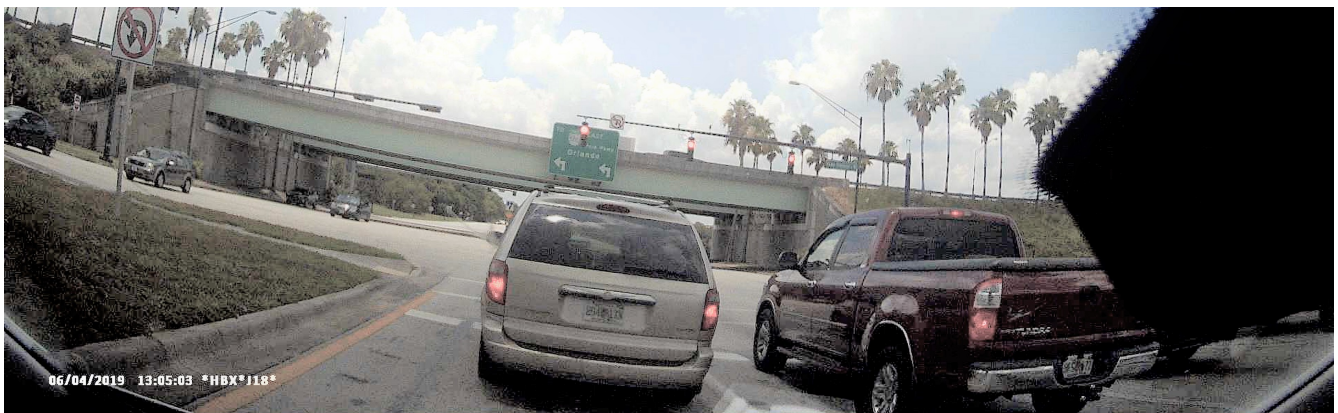
<http://www.evprogress.com/Day%20Front.mp4>

<http://www.evprogress.com/Day Rear.mp4>

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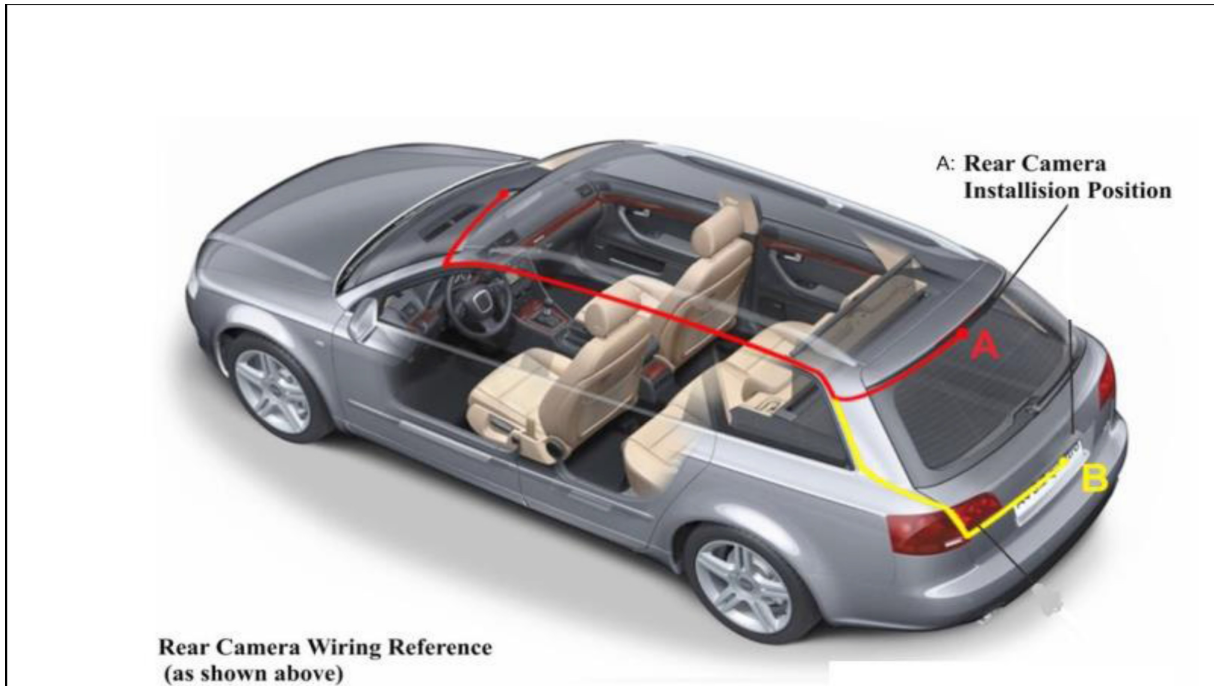
Another question that is often raised is, "Can you read license plates." I have included unaltered screenshots so you can decide for yourself.



Installation

I found the installation process to go quite smoothly. The most difficult part was the placement of the rear camera.

I followed the recommended routing for the rear camera cable as indicated by the red line in the user manual. I routed the cable across the top of the windshield to the A pillar. Then around the A pillar to the molding over the driver's door. Then around the B pillar to the molding over the rear driver's side passenger door. Then behind the very wide panel covering the C pillar to the tailgate.



One of the tools in this kit I bought from Amazon was very helpful in cable routing.



The Kit is on the left. The tool I used is on the right.

https://www.amazon.com/gp/product/B06X942HKC/ref=ppx_yo_dt_b_asin_title_o07_s00?ie=UTF8&psc=1

I routed the power cable across the top of the windshield. Then down A pillar to the bottom and around the A pillar. Then down to the bottom of the dashboard where I routed it to the cigarette lighter.

I mounted the rear camera inside the car at the top of the rear window. The mounting bracket for the rear camera works best on a vertical surface or the underside of a horizontal surface with the camera hanging upside down. Mounting the camera on top of a horizontal surface displays the image upside down on the screen.

I drilled a small hole at the center top of the rear window panel. I used double sided tape and some spacers with a single screw to hold the camera to the underside of the panel at the top of the rear window.

Customer Service

Customer service works best by text message. I found this to be prompt responsive and Helpful . There is a 12 hour time difference which you have to take into account. Although there are minor language related communication difficulties, I found the service staff to be knowledgeable, intelligent, helpful, and friendly. Text (619) 202-5383.

There are some minor drawbacks with this product.

1. The Splash screen on startup and shutdown is accompanied by a very loud musical tone. The volume of this tone cannot be adjusted or turned off. I would be happy not to hear this sound.
2. The SD card is difficult to remove. I made a tool to push down on the card to remove it and to push down on the card when it is inserted.
3. This product is not provided with an SD Card . I ordered 2 - 64 GB SD cards at the same time as I ordered this product.
4. An inherent problem with any digital rear view "Mirror" display, is that people who wear bifocals will have a problem that they don't have with an optical rearview mirror. People who don't wear glasses may have a similar problem.

The problem comes from the fact that objects in an optical mirror appear to be at a distance. Objects on the digital display appear to be near, similar to the distance of the display on the dashboard for the speedometer.

When people wearing bifocals look at the speedometer they look down through the bifocal lens.

When they look at the rearview mirror they look up through the distance lens. This works fine for an optical mirror. However with the digital display people wearing bifocals are seeing the display through the wrong lens. It may therefore appear out of focus.

People with presbyopia will have a similar problem focusing on the digital display that they do not have focusing on an optical mirror.



Summary

Overall, this is an easy to use dependable dual dash cam. The looped recording provides full time continuous recording front and rear, day and night whenever the car is running requiring no attention at all.

The rear view "mirror" display provides a wide unobstructed view. For me in my circumstances, glare was a problem easily corrected with a glare reducing screen protector. This may not be a problem for others.

The installation was easy. The most difficult part was mounting the rear camera which was manageable. Most of the time was spent with a trial fit at the bottom of the rear window. Once I realized my upside down image would be corrected by mounting at the top of the rear window things went quickly.

Here is a link to the Owner's Manual for the BIR dash Cam.

[BIR Dash Cam Owners Manual](#)