

Comment from Anonymous

I do not believe cameras are an effective substitute for mirrors, unless the following items are true:

1. Cameras and viewscreens must offer substantially equivalent dynamic range in a variety of lighting conditions. Final output must be visible in bright sunlight while the driver wears sunglasses, and must also be visible in a dark night environment without compromising driver night vision.
2. Cameras must offer acceptable prevention of bloom from bright lights in a dark environment.
3. Due to the large surface area of mirrors, obstructing material such as rain, snow, and mud can be randomly distributed across the reflective surface with degradation (but not elimination) of rear visibility. Any camera based system must offer equivalent performance.
4. Cameras and screens must offer an equivalent level of detail resolution in real-world use.

I think it is unlikely that camera based solutions will offer equivalent safety performance in the near term as compared to mirror-based solutions, and I do not support their inclusion in current-generation vehicles. Further technology advances may change this calculation over a longer time horizon.