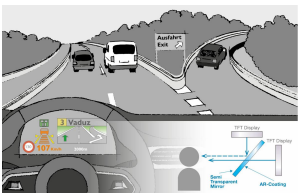


## Automotive Solutions

Latest News and exclusive Insights

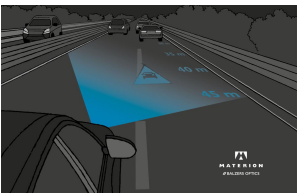
# Optics Powering Smart Mobility!

When requirements for traffic safety, vehicle comfort, and the level of autonomous driving are important, Materion Balzers Optics offers a wide range of solutions with critical optical components.



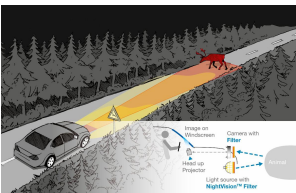
### Head-Up Displays & Digital Instrument Cluster

Environmentally stable, high-reflectivity coatings on glass and polymers.  
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### Headlights & Digital Ground Projection

Patterned metallic coatings for digital projection systems.  
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### Night Vision & Thermal Imaging

SWIR and LWIR coatings for reliable advanced thermal imaging.  
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**Automotive**  
Optical Solutions  
for the Automotive  
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## See What Drives the Future

Smarter headlights, sharper sensing, immersive displays – it all starts with the right optics.

Our latest brochure shows how thin-film coatings improve LiDAR signal quality, support thermal detection, and enhance digital display performance.

You'll also find real-world examples and key material specs to support your next ADAS, HUD, or night vision project.

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## Application Note

As vehicles become more autonomous and connected, LiDAR plays a key role in enabling safe, data-driven mobility.

Our Application Note shows how laser-based sensing creates detailed 3D maps of a vehicle's surroundings and outlines the challenges of integrating LiDAR into modern automotive systems.



[Download Application Note](#)



## Contact our Expert!

Got questions or are you looking to discuss a project? **Guglielmo Cappellari**, our Customer Project Manager, is happy to support your next innovation.

[guglielmo.cappellari@materion.com](mailto:guglielmo.cappellari@materion.com) | +423 388 92 12

## Upcoming Events

### Let's Talk Optics in Munich



Are you working on LiDAR, head-up displays or camera systems? Let's meet at **LASER World of PHOTONICS** and talk about how our coatings can support your next automotive project.

You'll find us in **Hall B1, Booth #314** from **June 24 – 27, 2025** we're looking forward to exchanging ideas!