

# AUTOMOTIVE CAMERA MODULES

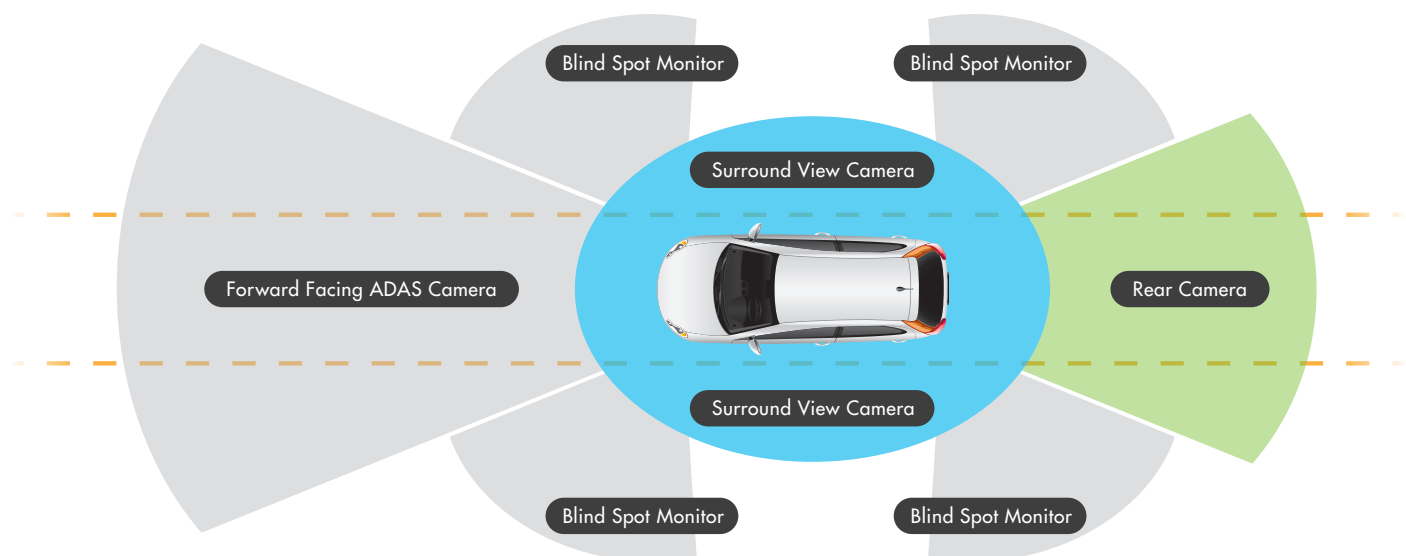


Jabil Optics provides automotive imaging solutions, enabling **ADVANCED DRIVER ASSISTANCE SYSTEMS (ADAS), SURROUND VIEW, AND DRIVER MONITORING** applications. We offer advanced design, manufacturing, service, support, and an unparalleled global supply chain. Our sophisticated automotive imaging solutions enhance customer products through superior optical performance.

## ADVANCED SAFETY FEATURES

High dynamic range video solutions for automotive viewing applications:

- Forward Collision Warning (FCW)
- Lane Departure Warning (LDW)
- Lane Keeping Assist and Centering (LKA/LC)
- Traffic Sign Recognition (TSR)
- Intelligent Headlight Control (IHC)
- Automatic Emergency Braking (AEB)
- Traffic Jam Assist (TJA)
- Pedestrian Collision Warning (PCW)
- Electronic Mirror Replacement (Blind Spot Monitoring)



For more information visit [www.Jabil.com](http://www.Jabil.com) or contact your account lead

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## SUPERIOR CAMERA PERFORMANCE

Our sophisticated automotive imaging solutions enhance customer products through superior optical performance:

- Superior image quality through Active Alignment technology
- High dynamic range
- Enhanced low-light performance
- Improved traffic sign recognition
- Glass optics for durability
- Modular design
- Thermal stability for automotive environments
- 1.0-8.3 megapixel resolution
- Camera modules are assembled, focused and tested in a fully automated process for high yield, superior quality production

## INTEGRATION-READY SOLUTIONS

- Sensor: ON Semiconductor, Omni-Vision
- ISP: ON Semiconductor
- Lens: Sunny, LCE, Evetar (options available for custom lens)
- Serializer board: Texas Instruments and Maxim
- Data Link: FPD-LINK III, GSML 1, GSML 2

## TECHNICAL SPECIFICATIONS

Configurations with the following components are available.

SENSORS	ISP	SERIALIZER	LENS (FOV D/H/V)
OV10642	AP0102	TI913	LCE009 (204°/190.2°/130.9°)
OV10652	AP0202	TI933	LCE031 (69.7°/52°/43.5°)
AR0138AT		TI953	LCE032 (100°/100°/41.6°)
AR0143AT		MAX96705	LCE062A (142.8 / 122.6 / 67.92)
AR0220AT		MAX9295A	Sunny 4083 (70.4°/52°/43.4°)
AR0233AT			Sunny 4125 (100°/100°/39.1°)
AR0820AT			Evetar (126°/93°/67°)
AR0144CS			

## LEARN MORE



## ENABLING LIDAR

Our computational camera assemblies are designed to encode visual information for next-generation applications, such as LiDAR for laser depth sensing, to create a powerful integrated optical system. Our goal is to stay one step ahead of the burgeoning self-driving vehicle market and provide outstanding technology.

