JABIL OPTICS

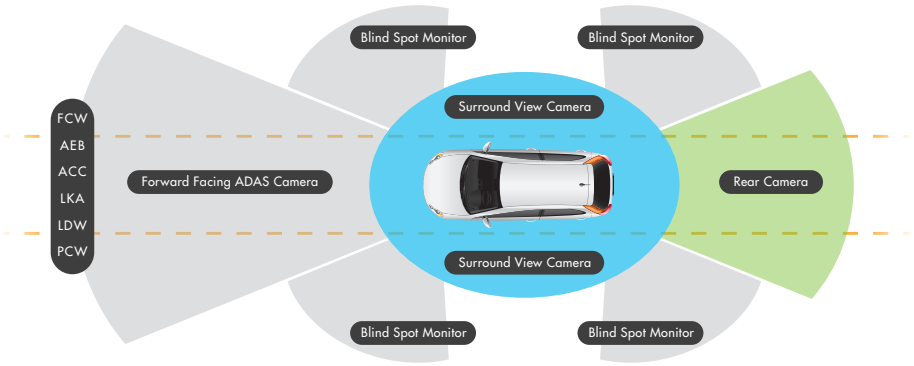
AUTOMOTIVE CAMERA MODULES

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)



E-mail: jabil_optics@jabil.com

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SUPERIOR CAMERA PERFORMANCE

- Best image quality through Active Alignment technology
- 1.2 – 8.3 megapixel resolution
- Advanced image sensor options:
  - Electronic rolling shutter
  - Global shutter
  - LED flicker mitigation
  - Back side illumination
- Glass optics for high 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, GMSL 2

TECHNICAL SPECIFICATIONS

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˚)
AR0138		TI953	LCE032 (100˚/100˚/41.6˚)
AR0143		MAX96705	Sunny 4083 (70.4˚/52˚/43.4˚)
AR0220		MAX9295A	Sunny 4125 (100˚/100˚/39.1˚)
AR0233			Evetar (126˚/93˚/67˚)

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.

COMING SOON: THE 8.3 MEGAPIXEL ADAS CAMERA

This next generation forward-facing, 8.3 megapixel automotive camera will be exceptional for its image quality, clarity, and ability to drive us closer to the exciting world of autonomous driving. It will be a signature ADAS camera for the next generation of high performance vehicles, offering the most advanced safety and driver assistance features.

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