



# Visteon®

*Shift your career into high gear*

**Requisition Number:** 13598

**Post date:** June 16, 2017

**Title:** Camera Design Lead

**City:** Karlsruhe

**Country:** Germany

**Description:** Camera Design Lead – Karlsruhe, Germany

### About Visteon

Visteon is a global technology company that designs, engineers and manufactures innovative cockpit electronics products and connected car solutions for most of the world's major vehicle manufacturers. Visteon is a leading provider of instrument clusters, head-up displays, information displays, infotainment, audio systems, telematics and SmartCore™ cockpit domain controllers. Visteon also supplies embedded multimedia and smartphone connectivity software solutions to the global automotive industry. Headquartered in Van Buren Township, Michigan, Visteon has approximately 10,000 employees at more than 40 facilities in 19 countries. Visteon had sales of \$3.16 billion in 2016. Learn more at [www.visteon.com](http://www.visteon.com).

Visteon is an equal opportunity employer committed to a culturally diverse workforce.

### Our Vision

A top-three cockpit electronics player delivering a rich, connected cockpit experience for every car from luxury to entry

## CAMERA DESIGN LEAD – KARLSRUHE, GERMANY

### Typical Duties

- Lead development of CMOS imager sensor camera modules, including design, specification, integration of new lenses, and complete optical analysis of image quality and performance.
- Work closely with automotive-qualified suppliers for design, evaluation and testing.
- Support metrology methodology for camera optical, imager sensor, lens testing and develop appropriate test and methods for camera evaluation.
- Interface with the assembly and packaging team to support integration of camera lens into module.

### Requirements

Substantial recent experience in the area of camera module, imager sensor and lens design, test and integration.

**Degree Strongly Preferred:** Degree in optics, physics, electrical engineering, or equivalent work experience

### Competencies/Experience

- Familiar with optical tools including ZEMAX, FRED, LightTool, etc.
- Experience with potential ECU solutions for modular approaches
- Experience with development and testing of image processing performance (SIL, VTD, HIL, etc.)
- Experience with design and development of radar, image processing or similar digital signal processing applications
- Experience with image processing algorithm modeling (Matlab/Simulink, etc.) and/or development (C++, Python, etc.)
- Able to perform optical and image quality characterization of lens and camera module
- Interface with internal groups and suppliers to support design and integration of camera module and full image system (illumination, processing, packaging, network, etc.)
- Preferred experience with in-vehicle development and/or testing, including lab instrumentation and data analysis

### Special Requirements

Travel required 25 to 30 percent of the time.

### Apply for this Position

If you are interested in applying for this position, send your resume to [nmckee@visteon.com](mailto:nmckee@visteon.com), and include the requisition number in the subject of your email.