

BLR_RD_NEW_VISION_TEST_ENGINEER

Your tasks

VTE - Vision Test Engineer

Role Overview

A **Vision Test Engineer** is responsible for validating camera and vision based systems to ensure functional correctness, performance, reliability, and compliance with automotive standards across development and production phases.

Key Responsibilities

- Develop and execute **test plans, test cases, and validation strategies** for vision systems
- Test **camera modules, image pipelines, and vision algorithms**
- Validate image quality parameters such as **focus, exposure, color accuracy, distortion, latency, and frame rate**
- Perform **functional, environmental, robustness, and regression testing**
- Analyze and debug issues related to **hardware, firmware, and vision algorithms**
- Support **DV/PV testing** and mass production readiness
- Interface with **system, software, algorithm, and hardware teams**
- Document test results, defects, and verification reports
- Ensure compliance with **OEM and automotive standards**

A Vision Test Engineer ensures that camera and vision-based systems meet all quality, performance, and functional requirements – across both development and mass production environments. The role spans optics, software, image processing, automation, and manufacturing validation.

The engineer drives the timely industrialization of vision test equipment by maintaining continuous alignment with project milestones. This function is primarily responsible for securing technical compliance of test systems by leading all required testing and release activities. Cross-functional collaboration and knowledge transfer across global teams are central to accelerating time-to-market, maintaining quality standards, and achieving cost competitiveness.

Preferred Experience

- Automotive vision systems (ADAS cameras, surround view, driver monitoring)
- Knowledge of **OpenCV, Python, or vision test automation**
- Exposure to **ISO 26262, ASPICE, or automotive validation processes**

Primary Focus



Job ID
REF9130E

Location
Bengaluru

Leadership level
Leading Self

Legal Entity
AUMOVIO India Private Limited

Ensure vision system performance, quality, and reliability from development to mass production

Your profile

Education

- Master's degree in Engineering (e.g. Materials Science, Mechanical, or Process Engineering) or equivalent
- Professional Experience
- Minimum 5 years in the automotive or electronics industry, with focus on R&D, Operations, and process development
- Project Experience
- Proven track record in leading complex development and industrialization projects across multiple sites; multi-discipline and multi-party project management
- Leadership Experience
- More than 5 years of project management and/or team leadership experience
- International Experience
- Experience working in and supporting international, intercultural, and interdisciplinary teams across global production sites

Required Skills & Qualifications

- Bachelor's degree in **Electronics, Electrical, Computer Engineering, or related field**
- Experience with **camera and vision systems**
- Knowledge of **image sensors, optics, and ISP pipelines**
- Familiarity with **vision interfaces** (MIPI CSI 2, GMSL, FPD Link)
- Experience with **test equipment and image analysis tools**
- Strong debugging and problem solving skills

Our offer

- A Vision Test Engineer ensures that camera and vision-based systems meet all quality, performance, and functional requirements – across both development and mass production environments. The role spans optics, software, image processing, automation, and manufacturing validation.
- Identify gaps between RFQ test concepts and actual project requirements.
- Lead an engineering team to generate vision test equipment specifications.
- Track supplier deliverables and align with project milestones.
- Drive all release activities to achieve agreed launch KPIs for test equipment.
- Direct impact on the successful launch of vision test equipment and test lines.

Ready to take your career to the next level? The future of mobility isn't just anyone's job. Make it yours! **Join AUMOVIO. Own What's Next.**

About us

Since its spin-off in September 2025 AUMOVIO continues the business of the former Continental group sector Automotive as an independent company. The technology and electronics company offers a wide-ranging portfolio that makes mobility safe, exciting, connected, and autonomous. This includes sensor solutions, displays, braking and comfort systems as well as comprehensive expertise in software, architecture platforms, and assistance systems for software-defined vehicles. In the fiscal year 2024 the business areas, which now belong to AUMOVIO, generated sales of 19.6 billion Euro. The company is headquartered in Frankfurt, Germany and has about 87.000 employees in more than 100 locations worldwide.