

Night Capable Camera System Exhibit



Benefits for OEM, drivers & passengers

For OEMs (Original Equipment Manufacturers):

- Regulatory Compliance: Helps meet or exceed evolving safety regulations and NCAP ratings.
- Data Collection: Enables better data for improving autonomous driving algorithms and vehicle diagnostics.

For Drivers:

- Improved Night Visibility: Detects pedestrians, animals, and obstacles beyond the reach of headlights.
- Enhanced Safety: Reduces the risk of nighttime accidents, especially in poorly lit or rural areas.
- Driver Confidence: Increases comfort and confidence when driving at night or in adverse weather.
- Assistance Features: Supports features like automatic braking, lane keeping, and adaptive cruise control.

For Passengers:

- Greater Safety: Lower risk of collisions means a safer ride for all occupants.
- Comfort and Peace of Mind: Knowing the vehicle is equipped with advanced safety tech can reduce anxiety.
- Smoother Ride: Night vision systems can contribute to smoother driving decisions, especially in complex environments.

Our value proposition

Human vision and visualization: Increased sight for drivers in pitch-dark scenarios, presenting clear view to the driver

High scene flexibility, many use cases: Automatic adaptation to various scenes

AUMOVIO Technology

- **Hardware:** IR-enabled satellite camera as forward solution to make assisted and autonomous mobility safer in all driving conditions
- **SWaP:** Fits to any customers' camera setup for excellent vision experience in low-light
- Boosting performance of cameras through resolving high (local) dynamic, blurred images, image noise, poor feature information
- Feedback about qualitative enhancement of AI uncertainty map