



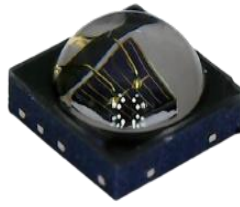
# Sensing

Lextar develops a range of 940nm infrared LED and VCSEL products for Driver Monitoring Systems (DMS) with high weather resistance and automotive quality standard. Wide angles match the varying passenger monitoring requirements for different positions in the car. Optical simulations are provided to assist customers in choosing the best product placement based on their specific applications, ensuring optimal performance and safety.

## VCSEL/ Infrared LED for Driver Monitoring System (DMS)

### Features:

- Multiple directional options to correspond to different driving situations and installation positions
- Comparable to VCSEL rectangular light sources, and the overall uniformity is improved by 10-20% compared to traditional spherical light sources
- Fully correspond to different display ratios of 16:9 & 4:3 with rectangular beam



<b>Product Series</b>	PA35RT I
<b>Wavelength (nm)</b>	940
<b>FoV (D)</b>	80/ 120/ 145
<b>Optical Power (W)</b>	1.3