## **Powerful Laser Diode Matrixes for Active Vision Systems**

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**Abstract :** This article is deal with the experimental investigations of the laser diode matrixes (LDM) based on the AlGaAs/GaAs heterostructures (lasing wavelength 790-880 nm) to find optimal LDM parameters for active vision systems. In particular, the dependence of LDM radiation pulse power on the pulse duration and LDA active layer heating as well as the LDM radiation divergence are discussed.

Keywords : active vision systems, laser diode matrixes, thermal properties, radiation divergence

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