

Act-Light Announces availability of its dynamic photo-diode (DPD) based low-voltage time-of-flight (TOF) technology

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“ActLight’s ToF technology is pretty remarkable” commented Jean-Luc Jaffard, Consultant & Advisor at Red Belt SA and a renowned authority on Imaging Technology and Applications “the company believes that when used in range meters, it offers good immunity from the effects of background light, especially direct sunlight. Current optical sensors are often “blinded” by direct sunlight, an effect that likely lead to some recent, highly publicized, vehicular accidents that occur while using Advanced Driver Assistance System (ADAS) cameras or when utilizing autonomous driving functions, and which hinders the adoption of autonomous driving altogether”. Mr. Jaffard added “ADAS and vehicle perception, autonomous vehicles and aerial drones are hot and emerging fields. ActLight’s ToF technology may be perfectly suited to supplement existing optical and computer vision technologies, thus help overcoming the hindrance of direct sunlight and other optical artefacts”.

“Our technology offers our partners some unique competitive advantages when compared to existing Avalanche Photo Diodes (APDs) and Single Photon Avalanche Diodes (SPADs)” stated Serguei Okhonin, PhD, CEO of ActLight “these include low operation voltage, simplified electronics (due to high internal gain, there is no need for any amplifier as we directly interact with CMOS circuits), smaller footprint, and of course, lower price, making it perfectly suited for applications ranging from miniaturized wearable devices all the way to autonomous vehicles and areal drones. Our company is actively engaging with leading 3D imaging and silicon companies in evaluation and integration of our technology into their next generation sensors”.

ABOUT ACTLIGHT

ActLight SA (www.act-light.com) focuses on the field of CMOS photonics by developing a new type of photodetector, known as Dynamic Photo Diodes (DPD). A fabless company, ActLight licenses its DPD Intellectual Property (IP) and provides design and technical support services to its customers. ActLight is listed among EE Times Silicon 60 and is the winner of Red Herring Europe Top 100 Award.

For more information about ActLight, please contact:

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