



OPTICAL SENSORS FOR SMARTPHONES, AUTOMOTIVE LIDAR AND BIO-MEDICAL APPLICATIONS – NOVEMBER 2023

China is taking the lead in deployments of automotive lidars



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Table of Contents

TABLE OF CONTENTS.....	2
ABSTRACT.....	4
EXECUTIVE SUMMARY.....	5
SALES VCSEL ARRAYS USED IN SMARTPHONES CONTINUE TO DECLINE.....	5
LIDAR MARKET IS RECOVERING, BUT.....	6
OPTICAL SENSORS FOR BIO-MEDICAL APPLICATIONS.....	8
CHAPTER 1: 3D SENSING IN SMARTPHONES.....	9
THE KINECT IS DEAD, LONG LIVE THE KINECT.....	9
IT TAKES TWO TO (GOOGLE) TANGO.....	9
APPLE POPULARIZES FACIAL RECOGNITION.....	10
A SHORT LIVED BOOM IN 3D SENSING.....	12
THREE TYPES OF 3D SENSORS FOR SMARTPHONES.....	14
<i>Active stereo vision.....</i>	<i>15</i>
<i>Structured light.....</i>	<i>17</i>
<i>Time of flight camera.....</i>	<i>18</i>
<i>VCSELs are a key building block for 3D sensing.....</i>	<i>19</i>
VCSEL SUPPLIERS.....	21
FORECAST SCOPE AND PRODUCT DEFINITIONS.....	22
METHODOLOGY.....	23
VCSEL ARRAYS FOR 3D DEPTH SENSING – MARKET FORECAST.....	25
<i>Shipments of arrays for 3D depth sensing will reach 1.7 billion units in 2026.....</i>	<i>25</i>
<i>VCSEL array prices for 3D sensing applications will face strong pressure.....</i>	<i>26</i>
<i>Revenues return to growth in 2024, but decline after that.....</i>	<i>27</i>
CHAPTER 2: AUTOMOTIVE LIDAR MARKET.....	28
MAIN MARKET SEGMENTS.....	28
<i>Light vehicles will be the largest market for adas and Lidars.....</i>	<i>28</i>
<i>An Upheaval in the automotive world order.....</i>	<i>29</i>
<i>Lidar and adas are more popular in Electric vehicles.....</i>	<i>29</i>
<i>China drafting new nationwide laws for adas and robotaxis.....</i>	<i>30</i>
<i>Fully autonomous robo-taxis mostly retreat in the US and expand in china.....</i>	<i>30</i>
<i>Autonomous trucking is working well following set long haul routes.....</i>	<i>33</i>
<i>Investment is increasing in companies working on improving ADAS.....</i>	<i>34</i>

<i>Chinese drivers are demanding ever more improved ADAS.....</i>	36
<i>domestic suppliers are highly preferred by Chinese automakers.....</i>	36
<i>Not every Chinese auto maker is choosing adas from baidu or huawei.....</i>	37
IMPROVING ROAD SAFETY AND ENSURING SAFETY OF AUTONOMOUS VEHICLES.....	37
<i>Why lidar instead of radar or cameras?.....</i>	38
LASER TECHNOLOGIES FOR LIDARS.....	40
FORECAST FOR AUTOMOTIVE LIDARS.....	42
CHAPTER 3: OPTICAL SENSORS FOR BIO-MEDICAL APPLICATIONS.....	45
MARKET SEGMENTATION.....	45
<i>Medical biosensor (invasive) markets.....</i>	46
<i>Centralized lab equipment.....</i>	46
<i>Compact benchtop diagnostic system.....</i>	46
<i>Home and mobile testing.....</i>	46
<i>Non-invasive biosensing.....</i>	46
<i>Non-medical applications.....</i>	47
PRODUCTS AND TECHNOLOGIES.....	47
<i>Success Story – Pluse Oximetry Sensors.....</i>	47
<i>Spectroscopy bases sensors.....</i>	49
<i>Sensors Tracking changes in refractive Index.....</i>	52
<i>Photonics biosensing foundries examples.....</i>	56
APPENDIX A: CHINESE 3D SENSING VCSEL VENDOR PROFILES.....	57
BERXEL PHOTONICS.....	57
EAGLES COMSEMI.....	57
EVERBRIGHT PHOTONICS.....	58
LEMON PHOTONICS.....	59
SANAN-IC (SAIC)	61
SINOSEMIC.....	62
VERTILITE.....	63
WAFER CHINA (EPI-WAFER).....	64
APPENDIX B: AUTOMOTIVE LIDAR VENDOR PROFILES.....	65
AEYE.....	65
AEVA.....	66
AURORA.....	67
CONTINENTAL AG.....	68
HESAI.....	69
INNOVIZ TECHNOLOGIES, LTD.....	72

INNOVUSION.....	73
LEDDARTECH, INC.....	74
LUMINAR TECHNOLOGIES, INC.....	76
MOBILEYE.....	78
OUSTER, INC.....	79
QUANERGY SYSTEMS, INC.....	81
ROBOSENSE.....	82
VALEO GROUP.....	85

Abstract

This report analyzes the new business opportunity for suppliers of optical components in the market for automotive lidars and 3D depth sensors used in smartphones and other applications. It also offers a review of new optical technologies and products for bio-medical sensors.

The report includes historical data on shipments of these products in 2020-2023 and forecast for 2024-2028. It offers an analysis of the leading vendors and discusses likely future developments in the supply chain.

Forecast for the global lidar market is segmented by application: light vehicles, robotaxis and autonomous trucks and types of lidars: forward facing, corner lidar and a few other categories.

Forecast for sales of VCSEL arrays for smartphones is also segmented into six product categories by application or functionality. It includes a forecast for emerging applications of 3D sensing in a broader market.

The report includes profiles of the leading lidar vendors and emerging Chinese suppliers of VCSEL arrays.

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