Smartphone 3D Cameras - Global Strategic Business Report

Description:
The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World. Annual estimates and forecasts are provided for the period 2015 through 2024.

This report analyzes the worldwide markets for Smartphone 3D Cameras in US$. The Global market is further analyzed by the following resolution types - Upto 16 MP, and Above 16 MP. Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based on public domain information including company URLs. The report profiles 18 companies including many key and niche players such as -

- GoPro, Inc.
- Infineon Technologies AG
- Intel Corporation
- Kula 3D Ltd.
- LG Electronics, Inc.

Contents:
I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS
   Study Reliability and Reporting Limitations
   Disclaimers
   Data Interpretation & Reporting Level
   Quantitative Techniques & Analytics
   Product Definitions and Scope of Study

II. EXECUTIVE SUMMARY
1. INDUSTRY OVERVIEW
   Smartphone 3D Cameras: An Easily Pocketable Form Factor Poised for Huge Adoption
   The Expanding Smartphones User Base: The Fundamental Growth Driver
   Smartphones: Major Application Area for Stereoscopic 3D Cameras
   Camera Resolution Plays a Key Role in 3D Camera Adoption in Smartphones
   Robust Demand for Feature-Rich Smartphones Sets the Perfect Platform for Market Growth
   Table 1: Global Smartphone Adoption Rate and Connections (2013-2020) (includes corresponding Graph/Chart)
   Table 2: Smartphone Penetration as a Proportion (%) of Total Mobile Users in Select Countries (2015 & 2017) (includes corresponding Graph/Chart)
   Global Market Outlook
   Developing Regions: Hot Spots for Ongoing Market Growth
   Table 3: Global Market for Smartphone 3D Cameras (2015-2024): Geographic Regions Ranked by Value Growth
   Asia-Pacific, Latin America, Rest of World, Europe, Canada, USA, and Japan (includes corresponding Graph/Chart)
   Developed Regions Remain Important Markets
   Competitive Scenario
   Samsung to Focus on High Resolution 360 Degree Camera Technology
   Apple to Develop Panorama's 3D Version
   Apple to Integrate New 3D Camera in iPhones
   Product Differentiation: A Key Competitive Strategy

2. MARKET TRENDS & GROWTH DRIVERS
   Need to Improve Viewing Experience of the Exponential Amount of Camera Content in Smartphones Drive
   Strong Market Growth
   3D Sensors to Become Mainstream Technology in Smartphone Cameras
   Technology Innovations and Advancements: Spearheading Growth
   Kúla Bebe Captures 3D Images from any Smartphone
Transformative Smartphone Camera Technologies
Depth-Sensing Cameras to Become a Standard Feature in Smartphones
Manufacturers Actively Pursue Integration of 3D Depth Sensing Camera Technology into Mobile Devices
Microsoft Researchers Transform Smartphones into 3D Depth Sensing Cameras
US Researchers Develop Depth Sensing 3D Imaging Technology
Google's Project Tango: A Smartphone with 3D Camera
Intel and Google Set to Collaborate for Smartphone 3D Camera
Intel's 3D Depth Camera RealSense for Integration into Smartphone
New Smartphone from Apple to Feature Depth-sensing Camera
3D Motion Camera in Google's Next-generation Android Smartphone
Image Stabilization Technology
Smartphones to Enable 3D Models for Application in Museums
Growing Trend of Social Networking Spurs Market Adoption
Dual-Camera Phones: The Next Big Thing in Smartphone Photography?
Major Smartphones with Dual-Camera Systems
Corephotonics Develops Dual-Camera Technology Phones
Eye-Plug for Shooting Videos and Photos in 3D
Infineon REAL3™ Sensor Chip Enables Augmented Reality Smartphone Cameras
ASUS Launches ZenFone AR and ZenFone 3 Zoom
4G Networks to Further Augment Smartphones 3D Cameras Penetration
Table 4: Global 4G / LTE Market by Country/ Region (2016 & 2022): Breakdown of Number of Unique Users (in Thousand) (includes corresponding Graph/Chart)
Demographic Factors Offer Lucrative Market Expansion Opportunities
Rapid Increase in Urban Households & Rising Living Standards
Table 5: Total Population Worldwide by Urban and Rural Population in Thousands: 1950-2050P (includes corresponding Graph/Chart)
Table 6: Percentage of Urban Population in Select Countries (2010 & 2050P) (includes corresponding Graph/Chart)
Ballooning Middle Class Population
Table 7: Global Middle Class Population by Geographic Region: Percentage Share Breakdown for 2010, 2020P & 2030P (includes corresponding Graph/Chart)

3. PRODUCT OVERVIEW
Smartphones 3D Camera: A Prelude
Types of Camera Technology
Stereoscopy
Time-of-Flight Camera
Components of Time-of-Flight Camera
Illumination Unit
Optics
Image Sensor
Driver Electronics
Computation/Interface

4. RECENT INDUSTRY ACTIVITY
Matter and Form Introduces Bevel
Asus Launches Smartphone with 3D Camera
Canon Patents 3D Camera for Smartphones
SOFTKINETIC Launches 3D Depth Sense Camera
Google and Intel Launch Smartphones with 3D Cameras
Lenovo Launches Smartphones with 3D Cameras

5. FOCUS ON SELECT GLOBAL PLAYERS
GoPro, Inc. (USA)
Infineon Technologies AG (Germany)
Intel Corporation (USA)
Kula 3D Ltd. (Iceland)
LG Electronics, Inc. (South Korea)
Matter and Form, Inc. (Canada)
Microsoft Corporation (USA)
pmdtechnologies GmbH (Germany)
Samsung Electronics Co. Ltd. (South Korea)
Sharp Corporation (Japan)
Texas Instruments Incorporated (USA)
Toshiba Corporation (Japan)

6. GLOBAL MARKET PERSPECTIVE
Table 8: World Recent Past, Current & Future Analysis for Smartphone 3D Cameras by Geographic Region/Country
US, Canada, Japan, Europe, Asia-Pacific, Latin America and Rest of World Markets Independently Analyzed
with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)
Table 9: World 10-Year Perspective for Smartphone 3D Cameras by Geographic Region/Country
Percentage Breakdown of Revenues for US, Canada, Japan, Europe, Asia-Pacific, Latin America and Rest of World Markets for Years 2015, 2017, & 2024 (includes corresponding Graph/Chart)
Table 10: World Recent Past, Current & Future Analysis for Smartphone 3D Cameras by Resolution Type
Upto 16 MP and Above 16 MP Markets Independently Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)
Table 11: World 10-Year Perspective for Smartphone 3D Cameras by Resolution Type
Percentage Breakdown of Revenues for Upto 16 MP and Above 16 MP Markets for Years 2015, 2017, & 2024
(includes corresponding Graph/Chart)

III. MARKET

1. THE UNITED STATES
A. Market Analysis
Growing Penetration of Feature Rich Smartphones Offer Strong Growth Opportunities
Strategic Corporate Developments
Select Key Players
B. Market Analytics
Table 12: US Recent Past, Current & Future Analysis for Smartphone 3D Cameras Market Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)

2. CANADA
A. Market Analysis
Market Overview
Corporate Development
Matter and Form, Inc.
A Key Canada-Based Company
B. Market Analytics
Table 13: Canadian Recent Past, Current & Future Analysis for Smartphone 3D Cameras Market Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)

3. JAPAN
A. Market Analysis
Steady Adoption of Premium Smartphones Drive Growth in Market Demand
Select Key Players
B. Market Analytics
Table 14: Japanese Recent Past, Current & Future Analysis for Smartphone 3D Cameras Market Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)

4. EUROPE
A. Market Analysis
Uptrend in Smartphone Demand Bodes Well for Market Adoption
B. Market Analytics
Table 15: European Recent Past, Current & Future Analysis for Smartphone 3D Cameras by Geographic Region
France, Germany, Italy, UK, Spain, Russia and Rest of European Markets Independently Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)
Table 16: European 10-Year Perspective for Smartphone 3D Cameras by Geographic Region
Percentage Breakdown of Revenues for France, Germany, Italy, UK, Spain, Russia and Rest of European Markets for Years 2015, 2017, & 2024 (includes corresponding Graph/Chart)

4a. FRANCE
Market Analysis
Table 17: French Recent Past, Current & Future Analysis for Smartphone 3D Cameras Market Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)
4b. GERMANY
A. Market Analysis
Select Key Players
B. Market Analytics
Table 18: German Recent Past, Current & Future Analysis for Smartphone 3D Cameras Market Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)

4c. ITALY
Market Analysis
Table 19: Italian Recent Past, Current & Future Analysis for Smartphone 3D Cameras Market Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)

4d. THE UNITED KINGDOM
Market Analysis
Table 20: UK Recent Past, Current & Future Analysis for Smartphone 3D Cameras Market Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)

4e. SPAIN
Market Analysis
Table 21: Spanish Recent Past, Current & Future Analysis for Smartphone 3D Cameras Market Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)

4f. RUSSIA
Market Analysis
Table 22: Russian Recent Past, Current & Future Analysis for Smartphone 3D Cameras Market Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)

4g. REST OF EUROPE
A. Market Analysis
Corporate Development
Kula 3D Ltd. (Iceland)
A Key Ireland-Based Company
B. Market Analytics
Table 23: Rest of Europe Recent Past, Current & Future Analysis for Smartphone 3D Cameras Market Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)

5. ASIA-PACIFIC
A. Market Analysis
Asia-Pacific: The Most Lucrative Market for Smartphone 3D Cameras
Tremendous Growth in Smartphones Adoption Sets the Perfect Platform for Market Penetration
Table 24: Global Market for Smartphone 3D Cameras (2015-2024): Geographic Regions Ranked by Value Growth
Asia-Pacific, Latin America, Rest of World, Europe, Canada, USA, and Japan (includes corresponding Graph/Chart)
Table 25: Smartphone Penetration as a Proportion (%) of Total Mobile Users in Select Countries (2015 & 2017) (includes corresponding Graph/Chart)
B. Market Analytics
Table 26: Asia-Pacific Recent Past, Current & Future Analysis for Smartphone 3D Cameras by Geographic Region
China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)
Table 27: Asia-Pacific 10-Year Perspective for Smartphone 3D Cameras by Geographic Region
Percentage Breakdown of Revenues for China, India and Rest of Asia-Pacific Markets for Years 2015, 2017, & 2024 (includes corresponding Graph/Chart)

5a. CHINA
A. Market Analysis
Corporate Development
B. Market Analytics
Table 28: Chinese Recent Past, Current & Future Analysis for Smartphone 3D Cameras Market Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)
5b. INDIA
Market Analysis
Table 29: Indian Recent Past, Current & Future Analysis for Smartphone 3D Cameras Market Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)

5c. REST OF ASIA-PACIFIC
A. Market Analysis
Select Key Players
B. Market Analytics
Table 30: Rest of Asia-Pacific Recent Past, Current & Future Analysis for Smartphone 3D Cameras Market Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)

6. LATIN AMERICA
A. Market Analysis
Expanding Smartphone Devices Market Offers Significant Growth Opportunities
B. Market Analytics
Table 31: Latin American Recent Past, Current & Future Analysis for Smartphone 3D Cameras Market Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)

7. REST OF WORLD
Market Analysis
Table 32: Rest of World Recent Past, Current & Future Analysis for Smartphone 3D Cameras Market Analyzed with Annual Revenues in US$ Thousand for Years 2015 through 2024 (includes corresponding Graph/Chart)

IV. COMPETITIVE LANDSCAPE
Total Companies Profiled: 18 (including Divisions/Subsidiaries 19)
- The United States (5)
- Canada (1)
- Japan (4)
- Europe (6)
- Germany (2)
- Rest of Europe (4)
- Asia-Pacific (Excluding Japan) (3)

Ordering:
Order Online - [http://www.researchandmarkets.com/reports/2227997/](http://www.researchandmarkets.com/reports/2227997/)
Order by Fax - using the form below
Order by Post - print the order form below and send to
Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

| Product Name: | Smartphone 3D Cameras - Global Strategic Business Report |
| Web Address: | http://www.researchandmarkets.com/reports/2227997/ |
| Office Code: | SC |

Product Formats
Please select the product formats and quantity you require:

| Quantity       | Electronic (PDF) - Single User: USD 4500 |
| Electronic (PDF) - 1 - 5 Users: USD 6300 |
| Electronic (PDF) - 1 - 10 Users: USD 8550 |
| Electronic (PDF) - 1 - 15 Users: USD 10800 |

* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

Contact Information
Please enter all the information below in BLOCK CAPITALS

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr</th>
<th>Mrs</th>
<th>Dr</th>
<th>Miss</th>
<th>Ms</th>
<th>Prof</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Last Name:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Email Address: *</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Job Title:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organisation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postal / Zip Code:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Country:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phone Number:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fax Number:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by Wire Transfer: Bank details will be provided on the invoice which you will receive after you place your order with us.

If you have a Marketing Code please enter it below:

Marketing Code: ________________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World