

MEMS & Sensors for Consumer & Mobile Intelligence Service

Part of the Semiconductor Components Service Area Package

Insight and analysis on MEMS and sensors used in smartphones, wearables and consumer electronics

“ MEMS & Sensors is a mature market, but specific device families show important growths driven by trends that are reshaping the industry: image sensors in smartphones and MEMS microphones in smart speakers and IoT applications, to mention some.”

Manuel Tagliavini

Principal Analyst

MEMS & Sensors for Consumer & Mobile Intelligence Service

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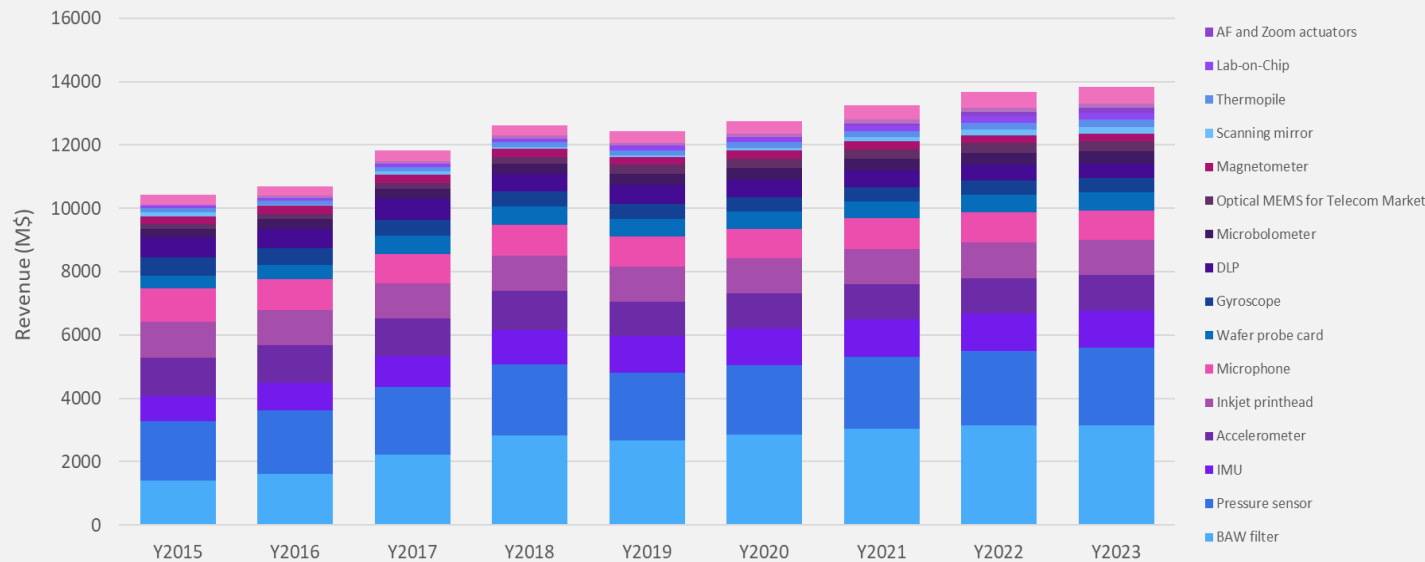
HOW OMDIA HELPS YOU

- Critical research on MEMS sensors used in smartphones, wearables and consumer electronics.
- Coverage includes shipment and revenue forecasts; market share and ASP information; and industry overviews of historical performance, current profile and future outlook.
- Also offers detailed examination of key technologies and applications.

KEY QUESTIONS ADDRESSED

- Which emerging use cases could impact the sensor market, and which aspects should I be aware of to be ready to face these changes?
- From 3D sensing applications to voice assistant devices, from new display form-factors to 5G, how is the sensor supply chain reshaping itself to provide more value to meet these trends?
- Do I have what it is required to serve the fast-changing consumer sensing market? How do I see my position compared to my competitors?

MEMS component revenue forecast by device family



Semiconductor Components: Our Expert Analysts



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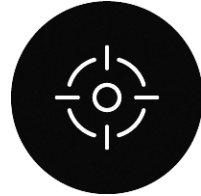


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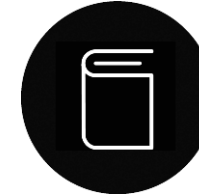
MEMS & Sensors for Consumer & Mobile: Deliverables



MARKET TRACKER

—Semi-Annual—

Historic and forecasted, delivered in Excel and TRAX®, an online analysis tool accompanied by written analysis.



REPORTS

—Annual—

Annual topical report addressing key focus areas with in-depth analysis on market and technology trends.



MARKET INSIGHTS

—Ongoing—

Frequent analyst commentary on product launches, market news and analysis.



PRESENTATIONS

—Quarterly—

Quarterly scheduled briefings with analysts on research highlights from all aspects of the market.



ANALYST ACCESS

—Ongoing—

For prompt responses to urgent and unique questions.

MEMS & Sensors for Consumer & Mobile: Market Tracker & Report

MEMS & Sensors for Consumer & Mobile Market Tracker

Containing detailed shipment and revenue forecasts, market share and ASP information on the market for sensors used in mobile devices; includes consumption information of top 18 smartphone OEMs

DETAILS

Frequency: Semi-Annual

Measurements

- Revenue
- Unit shipment
- ASP
- Market shares
- Sensor consumption and supply chain analysis (top 18 OEMs)

Regions

- Worldwide

COVERAGE

Sensors

35+ MEMs & sensor sub-types

Application Markets

20+ application sub categories

Sensor Hub

MEMS Market and Industry Overview

Provides a summary of the MEMS market for consumer and mobile devices, outlining historical performance, current profile, and future outlook; delivered semiannually.

DETAILS

Frequency: Semi-Annual

Measurements

- Revenue
- Unit shipment
- ASP
- Market shares
- Sensor consumption and supply chain analysis (top 18 OEMs)

Regions

- Worldwide

COVERAGE

Detailed examination of key technologies and applications – data and analysis of the strategic, technological and competitive landscape influencing market growth and development for areas such as:

- Light sensors
- Motion sensors in mobile devices
- MEMS microphones
- Environment and health sensors in mobile devices
- Fingerprint sensors in mobile devices
- Image sensors

MEMS & Sensors for Consumer & Mobile: Reports

Image Sensor for Consumer Electronics & Mobile

9 measurement types and key technologies (CCD, CMOS) across 14 applications including market share for key applications, camera location and sensor resolution for smartphones

DETAILS

Frequency: Annual

Measures:

- Revenue
- Unit shipment
- ASP
- Market shares
- Shipments and Revenues by Handset OEMs
- Shipments and Revenues by Sensor resolution and location

Regions

- Worldwide

COVERAGE

Applications

14 end-applications

- Smartphones
- Tablets
- Camcorder
- Consumer Drones
- Digital Still Camera
- Floor Care Appliance
- Robotic Appliance
- Smart Speakers
- TV
- Video games: console
- Video games: handset
- VR headsets
- And others Consumer app.

MEMS Microphones

Reviews market for handsets, tablets and other CE end applications. Forecast broken out by microphone performances, market segment and application.

DETAILS

Frequency: Annual

Measures:

- Revenue
- Unit shipment
- ASP
- Market Shares
- Consumption by Handset OEM

Regions

- Worldwide

COVERAGE

Applications

19 end-applications

- Mobile handsets
- Media Tablets
- PC Tablets
- Smart speakers
- Earphones
- Laptops
- Remote Controls
- Smart homes
- Wearables
- Cameras
- Gaming
- Drones and toy helicopters
- And others Consumer app.

MEMS & Sensors for Consumer & Mobile: Reports

Light Sensor for Consumer Electronics & Mobile

Reviews 30+ applications from consumer through automotive and industrial applications. 15 sensor types covered from discrete ambient light, proximity, RGB, UV to any related combo sensor

DETAILS

Frequency: Annual

Measures:

- Revenue
- Unit shipment
- ASP
- Market Shares

Regions

- Worldwide

COVERAGE

- Ambient Light Sensors
- Proximity Sensors
- Color (RGB) sensors
- Gesture sensors (IR proximity)
- UV sensors
- Optical Heart Rate sensors
- Combo sensors (10+ types)

MEMS & Sensors for Consumer & Mobile: Research Coverage

SENSORS

35+ MEMS & sensor sub-types

- Motion
- Light including Time of Flight
- Fingerprint
- MEMS microphone
- Environmental / health
- Optical MEMS (MEMS scanner, DLP)
- RF MEMS (MEMS timing, BAW filters, MEMS switches, varactors)
- MEMS actuator for autofocus

APPLICATION MARKETS

20+ application subcategories

- Mobile handsets
- Tablet
- Wearables
- AR/VR headset
- Smart speakers
- Drones
- Laptops
- Remote controls
- Gaming
- Cameras

SENSOR HUB

- Sensor core embedded in application processor
- Discrete MCU
- Discrete logic IC
- Sensor hub integrated in sensor package

Related Content: Semiconductor Components Service Area Coverage



Service Area Package: **Semiconductor Components**

LED
Intelligence Service

MEMS & Sensors
Intelligence Service

Microcontroller
Market Tracker

Power Semiconductor
Intelligence Service

Processors for Network
Infrastructure Market Tracker

MEMS & Sensors for Consumer &
Mobile Intelligence Service

Optoelectronic Components
Report

Processors for Graphics &
Artificial Intelligence Market Tracker

System-on-Chip (SoC)
Market Tracker

Processors Spotlight Service

About Omdia's Semiconductor Components Research

Omdia's leading semiconductor components research is provided by a highly experienced team of analysts. Many are industry veterans with deep technical background as well as hands-on market and product experience in their coverage area. The key component areas of processors and microcontrollers, MEMS and Sensors, Power discretes and modules, Power ICs, LED and Optical components are covered across numerous device categories and applications.

Their expertise is augmented and supported by the wide array of end equipment application and demand reporting, semiconductor manufacturing tracking and forecasting and spotlight services such as the semiconductor competitive landscape tool, the application market forecast tracker, the China semiconductor intelligence service and others.



Related Content: Semiconductor Service Area Coverage

SERVICE AREA PACKAGE			
Memory & Storage	Semiconductor Components	Semiconductor Manufacturing	Semiconductor Market
<ul style="list-style-type: none"> • DRAM Memory Intelligence Service • Mobile & Embedded Memory Intelligence Service • NAND Memory Intelligence Service • SSD & HDD Storage Memory Intelligence Service 	<ul style="list-style-type: none"> • Key Mobile Component Price Intelligence Service • LED Intelligence Service • Magnetic Sensors Report - 2019 • MEMS & Sensors for Consumer & Mobile Intelligence Service • MEMS & Sensors Intelligence Service • Microcontroller Market Tracker • Optoelectronic Components Report - 2020 • Power Semiconductor Intelligence Service • Processors for Graphics & Artificial Intelligence Market Tracker • Processors for Network Infrastructure Market Tracker • Processors Spotlight Service • System-on-Chip (SoC) Market Tracker 	<ul style="list-style-type: none"> • Global Semiconductor Manufacturing Market Tracker • Pure Play Foundry Market Tracker • Semiconductor Silicon Demand Forecast Tool 	<ul style="list-style-type: none"> • China Semiconductor Intelligence Service • Design Activity Tool • Industrial Semiconductor Intelligence Service • OEM Semiconductor Spend Tracker • OEM Semiconductor Spending & Design Activity Intelligence Service • Semiconductor Application Forecast AMFT Spotlight Service • Semiconductor Competitive Landscape CLT Spotlight Service • Semiconductor Forecast Scenario Tool

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ABOUT OMDIA

Omdia is a global technology research powerhouse, established following the merger of the research division of Informa Tech (Ovum, Heavy Reading, and Tractica) and the acquired Omdia technology research portfolio*. We combine the expertise of more than 400 analysts across the entire technology spectrum, covering 150 markets. We publish over 3,000 research reports annually, reaching more than 14,000 subscribers, and cover thousands of technology, media, and telecommunications companies.

Our exhaustive intelligence and deep technology expertise enable us to uncover actionable insights that help our customers connect the dots in today's constantly evolving technology environment and empower them to improve their businesses—today and tomorrow.

* The majority of Omdia technology research products and solutions were acquired by Informa in August 2019 and are now part of Omdia.