

TechInsights Image Sensor Subscription

Accurate and insightful technology intelligence on Imagers and Sensors

The phenomenal growth of the imager and sensor market can be attributed to multiple factors : whether it is the rising demand for IoT based devices, development of smart cities, advancements in sensors or the increasing use of smartphones and other electronics devices. Additionally, advancements in automation, emerging radar applications in remote sensing, the increasing adoption of wearables, biomedical innovations and automotive sector growth are propelling the market forward.

For Technologists, this means keeping a staggering pace of innovation, aggressive improvements to design while overcoming existing challenges, and improving manufacturing process efficiency. Staying ahead of market developments is more crucial than ever.

TechInsights' Image Sensor Subscription provides competitive analysis delivered through the TechInsights platform and reveals the process design innovations of the current high-volume and high growth technology market leaders.

- Native reverse engineering capabilities deliver granular reporting on the latest design disruptors help increase product development benchmarking efficiency.
- Deep competitive data delivered as a cost-effective solution to ensure you are equipped with up-to-date technology intelligence at your fingertips.

Applications Analyzed



Automotive



Biometric



DSLR / MILC



Eye Tracking



Industrial



Hyperspectral Imaging



Machine Vision



Medical



**Mobile
(Small Pixel)**



**Scientific
CMOS**



**Security &
Surveillance**



**Depth Sensing
& Ranging**

Image Sensor Subscription Channels

Device Essentials (DEF)

A broad overview of imaging and optical sensing devices each year for ongoing monitoring of state-of-the-art mainstream and emerging/high-growth applications.

Device Essentials Plus (DEP)

Companion subscription to Device Essentials (DEF) Channel that provides a deeper level of analyses of leading IDM and foundry solutions for newest disruptive applications.

Process Flow Analysis (PFA)

Provides insight into the process steps required to fabricate a variety of imaging/optical sensing ICs and deep understanding of the real development costs.

Circuit Analysis (CAR)

Proprietary analysis of image sensor circuit functionality, structure, and layout through a highly interactive, easy to navigate view into circuit design.

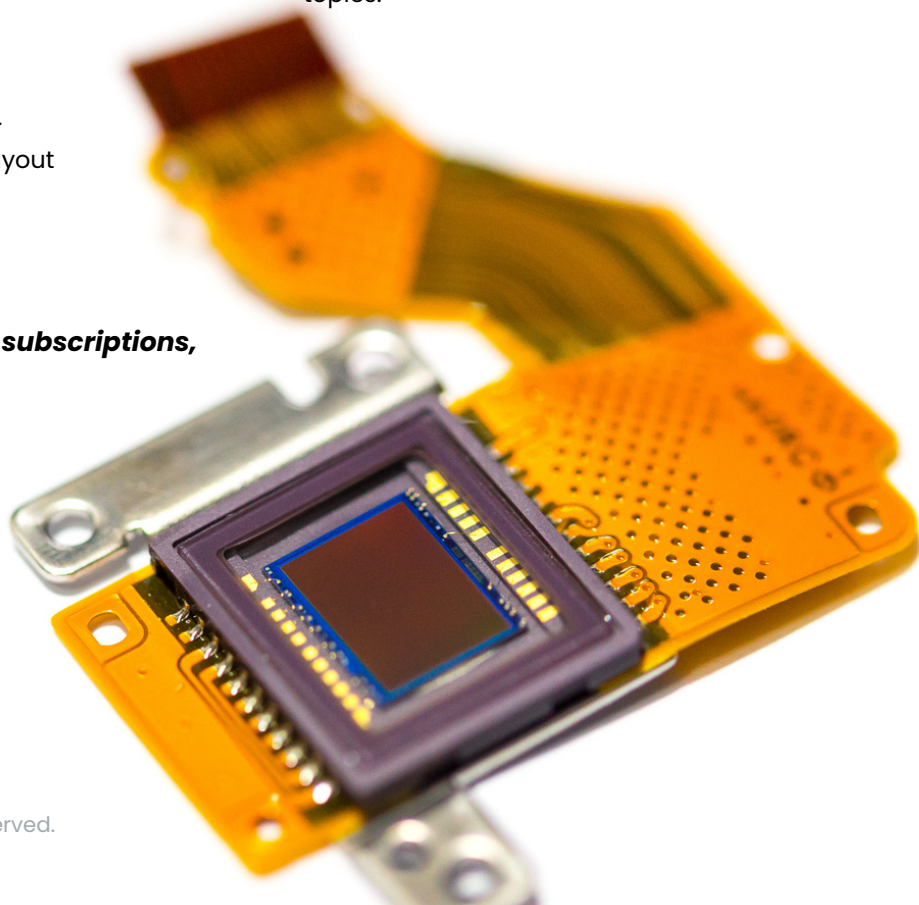
For more details on the channel subscriptions, please refer to the datasheets.

Image Signal Processor (ISP)

Complementary to the more process-centric Device Essentials Channel, this provides floorplan (functional) analysis of image signal processors (ISP) in high-volume, high-growth, and emerging applications such as smart phone, automotive imaging and optical sensing, computer/machine vision, edge AI, IoT, LiDAR, security/ surveillance and more.

Imager & Optical Sensor Packaging and Integration Analysis (PKG)

Structural, materials, and key feature analysis of a wide range of image sensor camera modules and other optical sensing components, including IC-related integration topics.

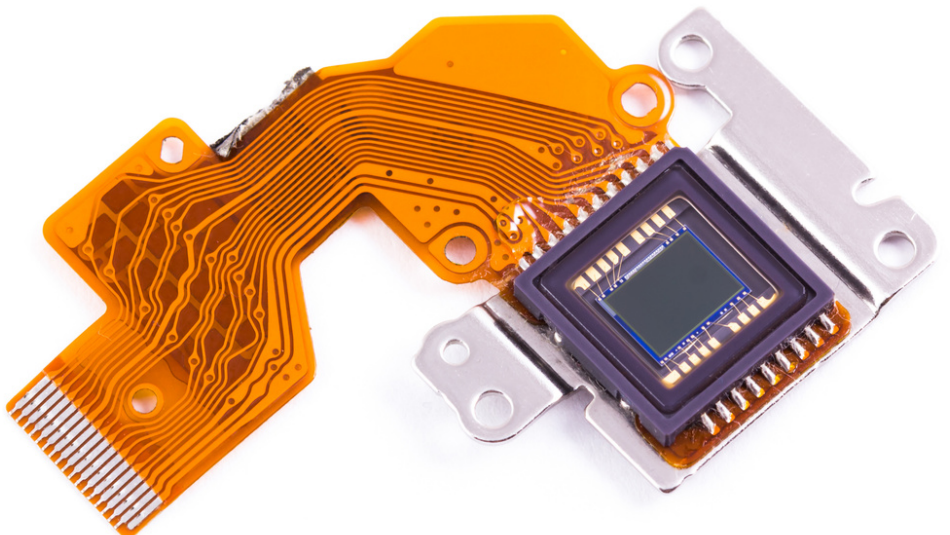


Which Image Sensor Channel Subscription is Right for You?

	Chipmakers	Technical Research	Dependents	Manufacturers	Downstream	Government and Defense	Automotive	Intellectual Property
Device Essentials (DEF)	✓	✓	✓	✓	✓	✓	✓	✓
Device Essentials Plus (DEP)	✓	✗	✓	✗	✗	✓	✓	✓
Process Flow Analysis (PFA)	✓	✓	✓	✓	✗	✓	✓	✓
Circuit Analysis (CAR)	✗	✓	✗	✗	✗	✓	✓	✓
Image Signal Processor (ISR)	✓	✗	✓	✗	✗	✗	✓	✓
Imager & Optical Sensor Packaging and Integration Analysis	✓	✓	✓	✗	✗	✗	✓	✓

What's Included:

- Chipmakers (*IDM, Fabless, Foundry*)
- Technical Research (*Including Academia*)
- Dependents (*Market Research, Capital Equipment, Raw Materials*)
- Manufacturers (*Product and Contract Manufactures, Modular Suppliers*)
- Downstream (*Mobile, Datacenter, Software, etc.*)
- Intellectual Property (*Licensing Entity, Law Firm, Other IP*)



Tech Insights



The world's most trusted source of actionable, in-depth intelligence related to semiconductor innovation and surrounding markets.

Our content informs decision makers and professionals whose successes depend on accurate knowledge of the semiconductor industry – past, present, or future.

Our unmatched reverse engineering analysis, images, and expert commentary are accessed through the TechInsights Platform, the world's largest research library of semiconductor and market analysis. Our customers include the most successful technology companies, who rely on TechInsights analysis to make informed business decisions faster and with greater confidence.

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