

CMOS Image Sensor Market by Technology (CMOS and Others), Specification, Wafer & Sensor Size, Application (Automotive, Consumer Electronics, Industrial, Entertainment, & Security & Surveillance), and Region - Global Trends and Forecast to 2020

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Abstracts

CMOS IMAGE SENSOR MARKET, BY TECHNOLOGY (CMOS AND OTHERS), SPECIFICATION, WAFER & SENSOR SIZE, APPLICATION (AUTOMOTIVE, CONSUMER ELECTRONICS, INDUSTRIAL, ENTERTAINMENT, AND SECURITY & SURVEILLANCE), AND REGION – GLOBAL TRENDS AND FORECAST TO 2020

The CMOS image sensor market is expected to grow at a CAGR of 11.8% between 2015 and 2020, from USD 9.80 billion in 2015 to USD 17.1 billion by 2020. The driving factors of CMOS image sensor market are the growing implementation of CMOS image sensor in the consumer electronics segment, investment by players to develop CMOS image sensor for automotive sector, and support of 4K pixel technology for the growth of the security and surveillance sector.

Major applications of CMOS image sensor market

The automotive and consumer electronics applications offer a huge growth potential for CMOS image sensors, owing to the advanced features they offer over other processes. These two applications collectively accounted for a market share of ~80% in 2014. The increasing demand for dual camera and high use of tablets and webcams has accelerated the consumer electronics market, while the growth of the automotive market is attributed to the rising implementation of advanced driver assistance systems (ADAS) in automobiles to offer features such as blind-spot viewing, automatic headlight dimming, lane-departure warning systems, rearview, 360-degree surround view, parking

assistance, and autonomous driving.

Asia-Pacific expected to grow at a high CAGR by 2020

Asia-Pacific is estimated to hold the largest market share by 2020, and is expected to grow at a high CAGR between 2015 and 2020. The major factor driving the growth of APAC in the CMOS image sensor market is the large number of users for mobile devices, webcams, and tablet PCs. Moreover, some of the major companies such as Sony Corporation (Japan), Samsung Electronics Co., Ltd (South Korea), SK Hynix Inc. (South Korea) and Sharp Corporation (Japan) are located in this region.

Several primary interviews have been conducted with market experts across four major geographies, namely, North America, Europe, Asia-Pacific, and Rest of the World (the Middle East, Africa, and Latin America). The primary participants considered for the study are C level executives, managers, and other executives from tier 1, tier 2, and tier 3 companies. The details of primary interviews conducted are as below:

By Company Type - Tier 1 – 13 %, Tier 2 – 20% and Tier 3 – 67%

By Designation – C level – 32%, Director level – 23%, Others – 45%

By Region – North America - 45%, Europe – 20%, APAC – 30%, RoW – 5%

The companies involved in the development of CMOS image sensor market include CMOSIS N.V. (Belgium), e2v technologies plc. (U.K.), GalaxyCore Inc. (China), OmniVision Technologies Inc. (U.S.), ON Semiconductor Corporation (U.S.), Panasonic Corporation (Japan), PixArt Imaging Inc.(Taiwan), Samsung Electronics Co., Ltd. (South Korea), Sharp Corporation (Japan), SK Hynix Inc. (South Korea), Sony Corporation (Japan), STMicroelectronics N.V. (Switzerland), Taiwan Semiconductor Manufacturing Co., Ltd (Taiwan)., Teledyne Technologies, Inc. (U.S.), and Toshiba Corporation (Japan).

Reasons to buy the report:

This report includes the market statistics pertaining to technology, specification, application, and region along with their respective revenues. It also includes a brief qualitative analysis of the market segmented on the basis of wafer and sensor size.

The Porter's five forces framework has been provided along with the value chain analysis to offer an in-depth insight into the CMOS image sensor market.

Major drivers, restraints, and opportunities for the CMOS image sensor market have been detailed in this report.

Illustrative segmentation, analysis, and forecast for the markets based on technology, specification, application and region have been provided to give an overall view of the CMOS image sensor market.

The detailed competitive landscape includes key players, in-depth analysis, and revenue of key players.

Contents

1 INTRODUCTION

1.1 OBJECTIVES OF THE STUDY

1.2 MARKET DEFINITION

1.3 STUDY SCOPE

1.3.1 MARKETS COVERED

1.3.1.1 CMOS Image Sensor Market, by Wafer and Sensor Size

1.3.2 YEARS CONSIDERED FOR THE STUDY

1.4 CURRENCY & PRICING

1.5 LIMITATIONS

1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

2.1.1 SECONDARY DATA

2.1.1.1 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.1.2.2 Key industry insights

2.1.2.3 Breakdown of primaries

2.2 MARKET SIZE ESTIMATION

2.2.1 BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

2.3 MARKET BREAKDOWN & DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

4.1 CMOS IMAGE SENSOR MARKET EXPECTED TO HAVE HUGE GROWTH OPPORTUNITY IN AUTOMOTIVE AND CONSUMER ELECTRONICS

4.2 CMOS IMAGE SENSOR MARKET, BY APPLICATION (2015–2020)

4.3 CMOS IMAGE SENSOR MARKET, BY REGION AND APPLICATION

4.4 CMOS IMAGE SENSOR MARKET, BY REGION (2014)

4.5 CMOS IMAGE SENSOR MARKET, BY TYPE

4.6 CMOS IMAGE SENSOR MARKET, BY IMAGE PROCESSING TYPE

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 EVOLUTION

5.3 MARKET SEGMENTATION

5.3.1 BY TECHNOLOGY

5.3.2 BY APPLICATION

5.3.3 BY SPECIFICATION TYPE

5.3.4 BY WAFER SIZE AND SENSOR SIZE

5.3.5 BY REGION

5.4 MARKET DYNAMICS

5.4.1 DRIVERS

5.4.1.1 Growing implementation of CMOS image sensors in consumer electronics segment supports the growth of this market

5.4.1.2 Investment by major players in automotive sector expected to boost the CMOS image sensor market

5.4.1.3 4K pixel technology is expected to support the growth of security & surveillance sector of CMOS image sensor market

5.4.2 RESTRAINTS

5.4.2.1 Shortage of CMOS image sensors to vendors in Asia-Pacific

5.4.3 OPPORTUNITIES

5.4.3.1 Emerging opportunities in 3D image sensing

5.4.3.2 Stacked image sensor expected to create opportunities for this market

5.4.3.3 BSI to become a mainstream technology

5.4.4 CHALLENGES

5.4.4.1 Reducing image sensor chip size leading to loss of pixel size

5.4.4.2 Improving resolution of CMOS image sensor with increase in pixel count

6 INDUSTRY TRENDS

6.1 INTRODUCTION

6.2 VALUE CHAIN ANALYSIS

6.3 PORTER'S FIVE FORCES ANALYSIS

6.3.1 INTENSITY OF COMPETITIVE RIVALRY

6.3.2 THREAT OF SUBSTITUTES

6.3.3 BARGAINING POWER OF BUYERS

6.3.4 BARGAINING POWER OF SUPPLIERS

6.3.5 THREAT OF NEW ENTRANTS

6.4 INDUSTRY TRENDS

6.4.1 MERGERS AND ACQUISITIONS – CMOS IMAGE SENSOR

6.5 STRATEGIC BENCHMARKING

6.5.1 MAJOR STRATEGIES ADOPTED BY THE KEY PLAYERS

7 CMOS IMAGE SENSOR MARKET, BY TECHNOLOGY

7.1 INTRODUCTION

7.2 COMPLEMENTARY METAL-OXIDE-SEMICONDUCTOR (CMOS)

7.2.1 FSI TECHNOLOGY

7.2.1 BSI TECHNOLOGY

7.2.2 OTHERS

7.2.2.1 3D stacked BSI

7.2.2.2 3D hybrid stacked

7.3 OTHERS

8 MARKET, BY SPECIFICATION

8.1 INTRODUCTION

8.2 MARKET, BY PROCESSING TYPE

8.2.1 2D IMAGE SENSOR

8.2.2 3D IMAGE SENSOR

8.3 MARKET, BY SPECTRUM

8.3.1 VISIBLE SPECTRUM

8.3.2 NON-VISIBLE SPECTRUM

8.3.2.1 Infrared invisible spectrum

8.3.2.2 X-ray light

8.4 MARKET, BY ARRAY TYPE

8.4.1 LINEAR IMAGE SENSOR

8.4.2 AREA IMAGE SENSOR

9 MARKET ANALYSIS, BY APPLICATION

9.1 INTRODUCTION

9.2 AEROSPACE

9.3 AUTOMOTIVE

9.4 CONSUMER ELECTRONICS

9.4.1 SMARTPHONE

- 9.4.2 TABLET PC
- 9.4.3 CAMERA
- 9.4.4 WEARABLE ELECTRONICS
- 9.4.5 OTHERS
- 9.5 HEALTHCARE
- 9.6 INDUSTRIAL
- 9.7 ENTERTAINMENT
- 9.8 SECURITY & SURVEILLANCE
- 9.9 OTHERS

10 MARKET ANALYSIS, BY WAFER AND SENSOR SIZE

- 10.1 MARKET BY WAFER SIZE
 - 10.1.1 INTRODUCTION
 - 10.1.2 200 MM
 - 10.1.3 300 MM
 - 10.1.4 OTHERS
- 10.2 MARKET, BY SENSOR SIZE
 - 10.2.1 INTRODUCTION
 - 10.2.2 MEDIUM FORMAT
 - 10.2.3 FULL FRAME
 - 10.2.4 APS-H AND APS-C
 - 10.2.5 4/3 INCH
 - 10.2.6 1 INCH AND BELOW

11 MARKET, BY REGION

- 11.1 INTRODUCTION
- 11.2 NORTH AMERICA
- 11.3 EUROPE
- 11.4 ASIA-PACIFIC
- 11.5 REST OF THE WORLD

12 COMPETITIVE LANDSCAPE

- 12.1 OVERVIEW
- 12.2 MARKET SHARE ANALYSIS: IMAGE SENSOR MARKET
- 12.3 COMPETITIVE SITUATION AND TRENDS
 - 12.3.1 NEW PRODUCT DEVELOPMENTS

- 12.3.2 AGREEMENTS AND CONTRACTS
- 12.3.3 ACQUISITIONS AND EXPANSIONS

13 COMPANY PROFILES

(Overview, Products and Services, Financials, Strategy & Development)*

- 13.1 INTRODUCTION
- 13.2 OMNIVISION TECHNOLOGIES INC.
- 13.3 SAMSUNG ELECTRONICS CO., LTD
- 13.4 SHARP CORPORATION
- 13.5 SK HYNIX INC.
- 13.6 SONY CORPORATION
- 13.7 CMOSIS N.V.
- 13.8 E2V TECHNOLOGIES PLC.
- 13.9 GALAXYCORE INC.
- 13.10 ON SEMICONDUCTOR CORPORATION
- 13.11 PIXART IMAGING INC.
- 13.12 PANASONIC CORPORATION
- 13.13 STMICROELECTRONICS N.V.
- 13.14 TELEDYNE TECHNOLOGIES, INC.
- 13.15 TOSHIBA CORPORATION
- 13.16 TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.

*Details on Overview, Products and Services, Financials, Strategy & Development might not be Captured in case of Unlisted Companies.

14 APPENDIX

- 14.1 INSIGHTS OF INDUSTRY EXPERTS
- 14.2 DISCUSSION GUIDE
- 14.3 INTRODUCING RT: REAL TIME MARKET INTELLIGENCE
- 14.4 AVAILABLE CUSTOMIZATIONS
- 14.5 RELATED REPORTS

List Of Tables

LIST OF TABLES

Table 1 CMOS IMAGE SENSOR MARKET SIZE, 2013–2020 (USD MILLION)

Table 2 CMOS IMAGE SENSOR MARKET SIZE, BY TECHNOLOGY, 2013–2020 (USD MILLION)

Table 3 CMOS IMAGE SENSOR MARKET, BY TECHNOLOGY

Table 4 CMOS IMAGE SENSOR MARKET, BY APPLICATION

Table 5 CMOS IMAGE SENSOR MARKET, BY SPECIFICATION

Table 6 CMOS IMAGE SENSOR MARKET, BY WAFER & SENSOR SIZE

Table 7 INVESTMENTS IN AUTOMOTIVE SECTOR BY MAJOR PLAYERS EXPECTED TO BOOST THE DEMAND

Table 8 SHORTAGE OF CMOS IMAGE SENSORS TO VENDORS IN ASIA-PACIFIC LIMITS THE GROWTH OF THIS MARKET

Table 9 CMOS IMAGE SENSOR EXPECTED TO HAVE A LARGE APPLICATION IN 3D IMAGE SENSING

Table 10 THE REDUCING IMAGE SENSOR CHIP SIZE LEADS TO LOSS OF PIXEL SIZE ACTS AS A CHALLENGE IS ACTING AS MAJOR CHALLENGES

Table 11 MERGERS AND ACQUISITIONS - CMOS IMAGE SENSOR

Table 12 CMOS IMAGE SENSOR MARKET SIZE, BY TECHNOLOGY, 2013–2020 (USD MILLION)

Table 13 CMOS IMAGE SENSOR MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 14 CMOS IMAGE SENSOR MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 15 CMOS IMAGE SENSOR MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 16 OTHER IMAGE SENSOR MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 17 OTHER IMAGE SENSOR MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 18 CMOS IMAGE SENSOR MARKET SIZE, BY PROCESSING TYPE, 2013–2020 (USD MILLION)

Table 19 2D IMAGE SENSOR MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 20 3D IMAGE SENSOR MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 21 CMOS IMAGE SENSOR MARKET SIZE, BY SPECTRUM TYPE, 2013–2020

(USD MILLION)

Table 22 VISIBLE SPECTRUM: CMOS IMAGE SENSOR MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 23 NON-VISIBLE SPECTRUM: CMOS IMAGE SENSOR MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 24 CMOS IMAGE SENSOR MARKET SIZE, BY ARRAY TYPE, 2013–2020 (USD MILLION)

Table 25 CMOS IMAGE SENSOR MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 26 AEROSPACE: CMOS IMAGE SENSOR MARKET SIZE, BY TECHNOLOGY, 2013–2020 (USD MILLION)

Table 27 AEROSPACE: CMOS IMAGE SENSOR MARKET SIZE, BY IMAGE PROCESSING TYPE, 2013–2020 (USD MILLION)

Table 28 AEROSPACE: CMOS IMAGE SENSOR MARKET SIZE, BY SPECTRUM, 2013–2020 (USD MILLION)

Table 29 AEROSPACE: CMOS IMAGE SENSOR MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 30 AUTOMOTIVE: CMOS IMAGE SENSOR MARKET SIZE, BY PIXEL RESOLUTION, 2013–2020 (USD MILLION)

Table 31 AUTOMOTIVE: CMOS IMAGE SENSOR MARKET SIZE, BY TECHNOLOGY, 2013–2020 (USD MILLION)

Table 32 AUTOMOTIVE: CMOS IMAGE SENSOR MARKET SIZE, BY IMAGE PROCESSING TYPE, 2013–2020 (USD MILLION)

Table 33 AUTOMOTIVE: CMOS IMAGE SENSOR MARKET SIZE, BY SPECTRUM, 2013–2020 (USD MILLION)

Table 34 AUTOMOTIVE: CMOS IMAGE SENSOR MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 35 CONSUMER ELECTRONICS: CMOS IMAGE SENSOR MARKET SIZE, BY PIXEL RESOLUTION, 2013–2020 (USD MILLION)

Table 36 CMOS IMAGE SENSOR MARKET SIZE, BY CONSUMER ELECTRONICS APPLICATION, 2013–2020 (USD MILLION)

Table 37 CONSUMER ELECTRONICS: CMOS IMAGE SENSOR MARKET SIZE, BY TECHNOLOGY, 2013–2020 (USD MILLION)

Table 38 CONSUMER ELECTRONICS: CMOS IMAGE SENSOR MARKET SIZE, BY IMAGE PROCESSING TYPE, 2013–2020 (USD MILLION)

Table 39 CONSUMER ELECTRONICS: CMOS IMAGE SENSOR MARKET SIZE, BY SPECTRUM, 2013–2020 (USD MILLION)

Table 40 CONSUMER ELECTRONICS: CMOS IMAGE SENSOR MARKET, BY REGION, 2013–2020 (USD MILLION)

Table 41 HEALTHCARE: CMOS IMAGE SENSOR MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 42 HEALTHCARE: CMOS IMAGE SENSOR MARKET SIZE, BY TECHNOLOGY, 2013–2020 (USD MILLION)

Table 43 HEALTHCARE: CMOS IMAGE SENSOR MARKET SIZE, BY IMAGE PROCESSING TYPE, 2013–2020 (USD MILLION)

Table 44 HEALTHCARE: CMOS IMAGE SENSOR MARKET SIZE, BY SPECTRUM, 2013–2020 (USD MILLION)

Table 45 HEALTHCARE: CMOS IMAGE SENSOR MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 46 INDUSTRIAL: CMOS IMAGE SENSOR MARKET SIZE, BY PIXEL RESOLUTION, 2013–2020 (USD MILLION)

Table 47 INDUSTRIAL: CMOS IMAGE SENSOR MARKET SIZE, BY TECHNOLOGY, 2013–2020 (USD MILLION)

Table 48 INDUSTRIAL: CMOS IMAGE SENSOR MARKET SIZE, BY IMAGE PROCESSING TYPE, 2013–2020 (USD MILLION)

Table 49 INDUSTRIAL: CMOS IMAGE SENSOR MARKET SIZE, BY SPECTRUM, 2013–2020 (USD MILLION)

Table 50 INDUSTRIAL: CMOS IMAGE SENSOR MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 51 ENTERTAINMENT: CMOS IMAGE SENSOR MARKET SIZE, BY TECHNOLOGY, 2013–2020 (USD MILLION)

Table 52 ENTERTAINMENT: CMOS IMAGE SENSOR MARKET SIZE, BY IMAGE PROCESSING TYPE, 2013–2020 (USD MILLION)

Table 53 ENTERTAINMENT: CMOS IMAGE SENSOR MARKET SIZE, BY SPECTRUM, 2013–2020 (USD MILLION)

Table 54 ENTERTAINMENT: CMOS IMAGE SENSOR MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 55 SECURITY & SURVEILLANCE: CMOS IMAGE SENSOR MARKET SIZE, BY PIXEL RESOLUTION, 2013–2020 (USD MILLION)

Table 56 SECURITY & SURVEILLANCE: CMOS IMAGE SENSOR MARKET SIZE, BY TECHNOLOGY, 2013–2020 (USD MILLION)

Table 57 SECURITY & SURVEILLANCE: CMOS IMAGE SENSOR MARKET SIZE, BY IMAGE PROCESSING TYPE, 2013–2020 (USD MILLION)

Table 58 SECURITY & SURVEILLANCE: CMOS IMAGE SENSOR MARKET SIZE, BY SPECTRUM, 2013–2020 (USD MILLION)

Table 59 SECURITY & SURVEILLANCE: CMOS IMAGE SENSOR MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 60 OTHERS: CMOS IMAGE SENSOR MARKET SIZE, BY TECHNOLOGY,

2013–2020 (USD MILLION)

Table 61 OTHERS: CMOS IMAGE SENSOR MARKET SIZE, BY IMAGE PROCESSING TYPE, 2013–2020 (USD MILLION)

Table 62 OTHERS: CMOS IMAGE SENSOR MARKET SIZE, BY SPECTRUM, 2013–2020 (USD MILLION)

Table 63 OTHERS: CMOS IMAGE SENSOR MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 64 CMOS IMAGE SENSOR MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 65 NORTH AMERICA: CMOS IMAGE SENSOR MARKET SIZE, BY TECHNOLOGY, 2013–2020 (USD MILLION)

Table 66 NORTH AMERICA: CMOS IMAGE SENSOR MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 67 NORTH AMERICA: CMOS IMAGE SENSOR MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 68 EUROPE: CMOS IMAGE SENSOR MARKET SIZE, BY TECHNOLOGY, 2013–2020 (USD MILLION)

Table 69 EUROPE: CMOS IMAGE SENSOR MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 70 EUROPE: CMOS IMAGE SENSOR MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 71 APAC: CMOS IMAGE SENSOR MARKET SIZE, BY TECHNOLOGY, 2013–2020 (USD MILLION)

Table 72 APAC: CMOS IMAGE SENSOR MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 73 APAC: CMOS IMAGE SENSOR MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 74 ROW: CMOS IMAGE SENSOR MARKET SIZE, BY TECHNOLOGY, 2013–2020 (USD MILLION)

Table 75 ROW: CMOS IMAGE SENSOR MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 76 ROW: CMOS IMAGE SENSOR MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 77 NEW PRODUCT DEVELOPMENTS, 2012–2015

Table 78 AGREEMENTS AND CONTRACT

Table 79 ACQUISITIONS AND EXPANSIONS

List Of Figures

LIST OF FIGURES

Figure 1 MARKETS COVERED

Figure 2 RESEARCH DESIGN

Figure 3 CMOS IMAGE SENSOR MARKET: BOTTOM-UP APPROACH

Figure 4 CMOS IMAGE SENSOR MARKET: TOP-DOWN APPROACH

Figure 5 DATA TRIANGULATION

Figure 6 ASSUMPTIONS OF THE RESEARCH STUDY

Figure 7 CMOS IMAGE SENSOR MARKET SEGMENTATION

Figure 8 CMOS IMAGE SENSOR: MARKET SNAPSHOT (2015 VS 2020):
CONSUMER ELECTRONICS EXPECTED TO HOLD A LARGE MARKET SHARE
DURING THE FORECAST PERIOD

Figure 9 AUTOMOTIVE TO SHOW POTENTIAL GROWTH DURING FORECAST
PERIOD

Figure 10 APAC TO GROW WITH HIGHEST CAGR BETWEEN 2015 AND 2020

Figure 11 ATTRACTIVE GROWTH OPPORTUNITIES IN THE CMOS IMAGE SENSOR
MARKET

Figure 12 CONSUMER ELECTRONICS EXPECTED TO HOLD THE LARGEST
MARKET SHARE DURING THE FORECAST PERIOD (2015–2020)

Figure 13 ASIA-PACIFIC TO HOLD THE LARGEST SHARE OF THE CMOS IMAGE
SENSOR MARKET IN 2015

Figure 14 U.S. HELD THE LARGEST SHARE OF THE CMOS IMAGE SENSOR
MARKET, 2014

Figure 15 BSI EXPECTED TO HOLD THE LARGEST SHARE OF THE CMOS IMAGE
SENSOR MARKET BY 2020

Figure 16 3D CMOS IMAGE SENSOR MARKET EXPECTED TO GROW AT A HIGH
CAGR BETWEEN 2015 AND 2020

Figure 17 EVOLUTION OF CMOS IMAGE SENSOR

Figure 18 CMOS IMAGE SENSOR MARKET, BY REGION

Figure 19 DEMAND FOR CMOS IMAGE SENSOR EXPECTED TO INCREASE IN THE
NEAR FUTURE

Figure 20 VALUE CHAIN ANALYSIS: MAXIMUM VALUE ADDED DURING THE
DESIGN AND MANUFACTURING STAGE BY CMOS IMAGE SENSOR SUPPLIERS

Figure 21 BARGAINING POWER OF BUYERS EXPECTED TO HAVE HIGH IMPACT

Figure 22 PORTER'S FIVE FORCES ANALYSIS

Figure 23 INTENSITY OF COMPETITIVE RIVALRY IN CMOS IMAGE SENSOR
MARKET

Figure 24 THREAT OF SUBSTITUTES IN CMOS IMAGE SENSOR MARKET

Figure 25 BARGAINING POWER OF BUYERS IN CMOS IMAGE SENSOR MARKET

Figure 26 BARGAINING POWER OF SUPPLIERS IN CMOS IMAGE SENSOR MARKET

Figure 27 THREAT OF NEW ENTRANTS IN CMOS IMAGE SENSOR MARKET

Figure 28 NEW PRODUCT DEVELOPMENT: THE MAJOR STRATEGY ADOPTED BY INDUSTRY PLAYERS (2012–2015)

Figure 29 CMOS EXPECTED TO HAVE THE LARGEST MARKET SIZE BY 2020

Figure 30 BACKSIDE ILLUMINATION EXPECTED TO GROW AT HIGHEST CAGR DURING THE FORECAST PERIOD

Figure 31 CMOS IMAGE SENSOR APPLICATIONS EXPECTED TO GROW AT THE HIGHEST CAGR IN AUTOMOTIVE SECTOR

Figure 32 CMOS IMAGE SENSOR MARKET IN APAC EXPECTED TO GROW AT HIGHEST CAGR BETWEEN 2015 AND 2020

Figure 33 OTHER IMAGE SENSOR EXPECTED TO GROW IN AUTOMOTIVE SECTOR DURING THE FORECAST PERIOD

Figure 34 OTHER IMAGE SENSORS EXPECTED TO HAVE HIGH GROWTH POTENTIAL IN ASIA-PACIFIC

Figure 35 2D CMOS IMAGE SENSOR EXPECTED TO GROW AT A HIGH CAGR IN AUTOMOTIVE SECTOR

Figure 36 NON-VISIBLE SPECTRUM EXPECTED TO GROW AT HIGHEST CAGR DURING THE FORECAST PERIOD

Figure 37 AUTOMOTIVE SEGMENT FOR NON-VISIBLE SPECTRUM EXPECTED TO GROW AT A HIGH CAGR BETWEEN 2015 AND 2020

Figure 38 LINEAR IMAGE SENSOR TO LEAD THE CMOS IMAGE SENSOR MARKET

Figure 39 MARKET SCOPE OF CMOS IMAGE SENSOR

Figure 40 CONSUMER ELECTRONICS SECTOR EXPECTED TO HAVE THE LARGEST MARKET SIZE BY 2020

Figure 41 MARKET FOR 2D CMOS IMAGE SENSOR EXPECTED TO HOLD THE LARGEST MARKET SIZE

Figure 42 FEATURES OF CMOS IMAGE SENSOR IN AUTOMOTIVE APPLICATION

Figure 43 MARKET FOR AUTOMOTIVE IN CMOS IMAGE SENSOR EXPECTED TO HOLD THE LARGEST MARKET SIZE

Figure 44 NON-VISIBLE SPECTRUM IN THE AUTOMOTIVE SECTOR EXPECTED TO WITNESS HIGH GROWTH DURING THE FORECAST PERIOD

Figure 45 SMARTPHONES EXPECTED TO HAVE A LARGE MARKET SIZE BY 2020

Figure 46 2D IMAGE SENSOR EXPECTED TO LEAD THE CMOS IMAGE SENSOR MARKET BETWEEN 2015 AND 2020

Figure 47 MARKET FOR THE HEALTHCARE SECTOR IN ENDOSCOPY EXPECTED

TO GROW AT THE HIGHEST CAGR BETWEEN 2015 AND 2020

Figure 48 MARKET FOR CMOS IMAGE SENSOR IN INDUSTRIAL SECTOR
EXPECTED TO HOLD THE LARGEST MARKET SHARE

Figure 49 NORTH AMERICA EXPECTED TO HAVE A LARGE MARKET SIZE BY 2020

Figure 50 MARKET FOR 3D IMAGE SENSOR IN ENTERTAINMENT SECTOR TO
GROW AT THE HIGHEST CAGR BETWEEN 2015 AND 2020

Figure 51 CMOS IMAGE SENSOR HELD A LARGE MARKET SHARE IN SECURITY &
SURVEILLANCE SECTOR

Figure 52 CMOS IMAGE SENSOR MARKET IN SECURITY & SURVEILLANCE
EXPECTED TO HOLD THE LARGEST MARKET SHARE IN ASIA-PACIFIC BY 2020

Figure 53 CMOS TECHNOLOGY EXPECTED TO HOLD MAJOR MARKET SHARE OF
OTHER APPLICATIONS OF CMOS IMAGE SENSOR

Figure 54 NORTH AMERICA EXPECTED TO HOLD THE LARGEST MARKET SIZE
BY 2020

Figure 55 CMOS IMAGE SENSOR MARKET, BY WAFER SIZE

Figure 56 LARGE SIZE OF FILM AND HIGH RESOLUTION HAVE INCREASED THE
ADOPTION OF VARIOUS SENSOR SIZE IN THE CMOS IMAGE SNESOR MARKET

Figure 57 CHINA AND INDIA TO GROW WITH HIGHEST CAGR DURING FORECAST
PERIOD

Figure 58 APAC EXPECTED TO GROW AT THE HIGHEST RATE BETWEEN 2015
AND 2020

Figure 59 NORTH AMERICA SNAPSHOT (2014–2020): DEMAND LIKELY TO BE
DRIVEN BY AUTOMOTIVE APPLICATION IN THE CMOS IMAGE SENSOR MARKET

Figure 60 CMOS IMAGE SENSOR MARKET IN AUTOMOTIVE EXPECTED TO GROW
AT THE HIGHEST CAGR BETWEEN 2015 AND 2020

Figure 61 U.S. MARKET FOR CMOS IMAGE SENSOR EXPECTED TO GROW AT
THE HIGHEST RATE IN NORTH AMERICA

Figure 62 AUTOMOTIVE APPLICATION EXPECTED TO HAVE HIGH GROWTH RATE
DURING THE FORECAST PERIOD

Figure 63 ASIA-PACIFIC IMAGE SENSOR MARKET SNAPSHOT: INDIA EXPECTED
TO BE THE MOST LUCRATIVE MARKET

Figure 64 AUTOMOTIVE APPLICATION EXPECTED TO GROW AT THE HIGHEST
CAGR IN APAC

Figure 65 INDIA EXPECTED TO GROW AT THE HIGHEST RATE DURING THE
FORECAST PERIOD

Figure 66 MIDDLE EAST MARKET FOR IMAGE SENSOR EXPECTED TO GROW AT
THE HIGHEST RATE IN ROW

Figure 67 COMPANIES ADOPTED NEW PRODUCT DEVELOPMENT AS THE KEY
GROWTH STRATEGY BETWEEN 2012 AND 2015

Figure 68 CMOS IMAGE SENSOR MARKET SHARE, BY KEY PLAYER, 2014

Figure 69 MARKET EVOLUTION FRAMEWORK: NEW PRODUCT DEVELOPMENT FUELED GROWTH IN CMOS IMAGE SENSOR MARKET

Figure 70 BATTLE FOR MARKET SHARE: NEW PRODUCT DEVELOPMENT—THE KEY STRATEGY

Figure 71 GEOGRAPHIC REVENUE MIX OF TOP 5 MARKET PLAYERS (2014)

Figure 72 OMNIVISION TECHNOLOGY INC.: COMPANY SNAPSHOT

Figure 73 OMNIVISION TECHNOLOGY INC.: SWOT ANALYSIS

Figure 74 SAMSUNG ELECTRONICS CO., LTD.: COMPANY SNAPSHOT

Figure 75 SAMSUNG ELECTRONICS CO., LTD: SWOT ANALYSIS

Figure 76 SHARP CORPORATION: COMPANY SNAPSHOT

Figure 77 SHARP CORPORATION: SWOT ANALYSIS

Figure 78 SK HYNIX INC.: COMPANY SNAPSHOT

Figure 79 SK HYNIX INC.: SWOT ANALYSIS

Figure 80 SONY CORPORATION: COMPANY SNAPSHOT

Figure 81 SONY CORPORATION: SWOT ANALYSIS

Figure 82 E2V TECHNOLOGIES PLC.: COMPANY SNAPSHOT

Figure 83 ON SEMICONDUCTOR CORPORATION: COMPANY SNAPSHOT

Figure 84 PIXART IMAGING INC.: COMPANY SNAPSHOT

Figure 85 PANASONIC CORPORATION: COMPANY SNAPSHOT

Figure 86 STMICROELECTRONICS N.V.: COMPANY SNAPSHOT

Figure 87 TELEDYNE TECHNOLOGIES, INC: COMPANY SNAPSHOT

Figure 88 TOSHIBA CORPORATION: COMPANY SNAPSHOT

Figure 89 TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.: COMPANY SNAPSHOT

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