

Camera Modules Market by Component (Image Sensor, Lens Module, Voice Coil Motor, Filters), Interface (Serial, Parallel), Pixel (>7 MP,8-13 MP,

Abstracts

The global camera modules market was valued at USD 43.3 billion in 2023 and is estimated to reach USD 68.5 billion by 2028, registering a CAGR of 9.6% during the forecast period. The increasing demand for smartphones and other consumer electronics products with built-in cameras, growing popularity of augmented reality (AR) and virtual reality (VR) applications, which require high-resolution camera modules, increasing use of cameras in automotive applications, such as driver assistance systems and parking assistance systems as well as development of new camera technologies, such as 3D cameras and thermal cameras, which are opening up new applications for camera modules. are the major driving factors for the growth of the camera modules market.

"8 – 13 MP segment is expected to account at the largest market size during the forecast period."

The 8 – 13 MP segment is expected to account largest market share in the camera modules market., the 8 to 13 MP segment held the largest share of the camera modules market owing to the technological advancements in all the application areas such as consumer electronics, automotive, industrial, and security and surveillance. The growth is also attributed to the increasing trend of using multiple cameras on the rear side of smartphones. Nowadays, smartphones are likely to have dual, triple, or quadruple cameras located on the back..

"Smartphones from consumer electronics segment is projected to dominate the camera modules market." Smartphones are highly competitive applications owing to a large number of manufacturers. Every year, improvements are seen in smartphone cameras. To differentiate their products from that of competitors and meet the demand for high-quality images, smartphone OEMs are in the continuous process of exploring innovative components to provide better quality cameras in their phones to fulfill end-user requirements. A few types can even produce sharp, high-quality photographs comparable to those captured by standalone digital cameras. The multiple-lens configuration is one reason that has pushed camera capabilities ahead. Smartphones featuring two, three, or four lenses, referred to as dual, triple, or quad cameras, are becoming more common. Furthermore, to improve the functionality and quality of



smartphones and the rising trends of front cameras, OEMs are shifting from single rear cameras to dual, triple, and quad-camera designs, which is resulting in the increasing adoption of an average number of camera modules per smartphone. The inclusion of multiple cameras in a smartphone has enabled an array of new features, including high zoom level, high dynamic range (HDR) imaging, portrait modes, 3D, and low-light photography.

"China is projected to dominate in Asia Pacific region for camera modules market"

China is having the largest market share in the camera modules market due to several factors. China has established itself as a global manufacturing hub, known for its cost-effective production capabilities and large-scale manufacturing infrastructure. China is the largest smartphone market in the world, and this is driving the demand for camera modules in smartphones. Chinese camera module manufacturers are investing heavily in research and development to develop new camera technologies, such as 3D cameras and thermal cameras. This is helping them to stay ahead of the competition and maintain their dominance in the market. China's manufacturing expertise and economies of scale enable competitive pricing and high-volume production, attracting domestic and international customers.

In-depth interviews have been conducted with chief executive officers (CEOs), Directors, and other executives from various key organizations operating in the camera module marketplace.

By Company Type: Tier 1 – 45%, Tier 2 – 35%, and Tier 3 – 20%

By Designation: C-level Executives – 35%, Directors – 25%, and Others – 40%

By Region: North America– 20%, Europe – 25%, Asia Pacific– 45% and RoW-10%

as LG Innotek, OFILM Group Co., Ltd., Sunny Optical Technology (Group), Hon Hai Precision Inc. Co., Ltd. (Foxconn), Chicony Electronics, Sony, Intel and Samsung Electro-Mechanics and so on are some of the key players in the camera modules market.

The study includes an in-depth competitive analysis of these key players in the camera modules market, with their company profiles, recent developments, and key market



strategies.

Research Coverage

This research report categorizes the camera modules market by component, pixel, focus type, interface, application and region, and by region (North America, Europe, Asia Pacific, and RoW). The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the camera modules market. A detailed analysis of the key industry players has been done to provide insights into their business overview, solutions, and services; key strategies; Contracts, partnerships, agreements, new product & service launches, mergers and acquisitions, and recent developments associated with the camera modules market. Competitive analysis of upcoming startups in the camera modules market ecosystem is covered in this report.

Reasons to buy this report

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall camera modules market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and to plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

This new version of the report on the camera modules market includes the following:

Market size from 2019 to 2028

Average selling prices (ASPs) of camera modules calculated by the weighted average method

Updated research assumptions and limitations

Information related to trends/disruptions impacting businesses of customers, as well as information on the ecosystem of camera modules, trade analysis, tariff



and regulatory analyses, technology analysis, patents analysis, and case studies pertaining to the camera modules market.

Updated financial information until 2022 (depending on the availability) for each listed company, which helps in the easy analysis of the present status of the profiled companies in terms of their financial strength, profitability, key revenue-generating regions/countries, and the highest revenue-generating business segments.

Recent developments that help assess market trends and growth strategies adopted by leading market players

Key manufacturers offering camera modules; top 25 manufacturers of camera modules, which are categorized into star, pervasive, emerging leader, and participant companies based on their performance on various parameters such as product footprint, focus on product innovations, and geographic footprint.

Market share analysis of various players operating in the camera modules market for 2022

Small- and medium-sized enterprises (SME) matrix that brief some business strategies and product offerings of 15 SME players operating in the market, which are classified into four groups: progressive, dynamic, responsive companies, and starting blocks

Brief information regarding the competitive situations and trends in the camera modules market

The product, application, and geographic footprints of the top 25 manufacturers of camera modules Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the camera modules market

Market Development: Comprehensive information about lucrative markets – the report analyses the camera modules market across varied regions.

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the camera modulesmarket



Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players like as LG Innotek, OFILM Group Co., Ltd., Sunny Optical Technology (Group), Hon Hai Precision Inc. Co., Ltd. (Foxconn), Chicony Electronics, Sony, Intel and Samsung Electro-Mechanics, among others in the camera modules market.



Contents

1 INTRODUCTION

- 1.1 STUDY OBJECTIVES
- 1.2 MARKET DEFINITION
- 1.2.1 INCLUSIONS AND EXCLUSIONS
- 1.3 STUDY SCOPE
 - 1.3.1 MARKETS COVERED

FIGURE 1 CAMERA MODULES MARKET: SEGMENTATION

- 1.3.2 REGIONAL SCOPE
- 1.3.3 YEARS CONSIDERED
- 1.4 CURRENCY CONSIDERED
- 1.5 STAKEHOLDERS
- 1.6 SUMMARY OF CHANGES
- 1.7 RECESSION IMPACT ANALYSIS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 CAMERA MODULES MARKET: RESEARCH DESIGN

- 2.1.1 SECONDARY DATA
 - 2.1.1.1 List of key secondary sources
 - 2.1.1.2 Key data from secondary sources
- 2.1.2 PRIMARY DATA
 - 2.1.2.1 Breakdown of primaries
 - 2.1.2.2 Key data from primary sources
 - 2.1.2.3 Key industry insights
- 2.2 FACTOR ANALYSIS

FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 1—TOP DOWN (SUPPLY SIDE)—REVENUES GENERATED BY COMPANIES FROM SALES OF CAMERA MODULES

- 2.3 MARKET SIZE ESTIMATION
 - 2.3.1 BOTTOM-UP APPROACH
 - 2.3.1.1 Approach to estimate market size using bottom-up analysis (demand side)
- FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH 2.3.2 TOP-DOWN APPROACH
- 2.3.2.1 Approach to estimate market size using top-down analysis (supply side)

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH



2.4 MARKET BREAKDOWN AND DATA TRIANGULATION
FIGURE 6 DATA TRIANGULATION
2.5 RESEARCH ASSUMPTIONS
2.6 PARAMETERS CONSIDERED TO ANALYZE IMPACT OF RECESSION ON CAMERA MODULES MARKET

3 EXECUTIVE SUMMARY

FIGURE 7 IMAGE SENSORS SEGMENT TO DOMINATE CAMERA MODULES MARKET IN 2028

FIGURE 8 FIXED FOCUS CAMERA MODULES HELD LARGER SHARE OF CAMERA MODULES MARKET IN 2022

FIGURE 9 CONSUMER ELECTRONICS APPLICATION REGISTERED LARGEST MARKET SIZE IN 2028

FIGURE 10 ASIA PACIFIC ACCOUNTED FOR LARGEST SHARE OF CAMERA MODULES MARKET IN 2022

4 PREMIUM INSIGHTS

4.1 MAJOR OPPORTUNITIES FOR PLAYERS IN CAMERA MODULES MARKET FIGURE 11 GROWING DEMAND FOR CONSUMER ELECTRONICS AND FOCUS ON AUTOMOTIVE APPLICATIONS TO FUEL MARKET GROWTH FROM 2023 TO 2028 4.2 CAMERA MODULES MARKET, BY INTERFACE FIGURE 12 SERIAL INTERFACE TYPE CAMERA MODULES TO RECORD HIGHER

4.3 CAMERA MODULES MARKET, BY PIXEL

CAGR DURING FORECAST PERIOD

FIGURE 13 8 TO 13 MP SEGMENT TO ACCOUNT FOR LARGEST SHARE OF CAMERA MODULES MARKET IN 2028

4.4 CAMERA MODULES MARKET, BY APPLICATION

FIGURE 14 AUTOMOTIVE APPLICATIONS TO EXHIBIT HIGHEST CAGR IN CAMERA MODULES MARKET DURING FORECAST PERIOD

4.5 CAMERA MODULES MARKET, BY REGION

FIGURE 15 INDIA TO REGISTER HIGHEST CAGR IN CAMERA MODULES MARKET DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS



FIGURE 16 CAMERA MODULES MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

5.2.1 DRIVERS

5.2.1.1 Increasing demand for consumer electronics

5.2.1.2 Growing deployment of surveillance cameras to ensure public safety and security

TABLE 1 TOTAL NUMBER OF CCTV CAMERAS INSTALLED IN TOP COUNTRIES (MILLION UNITS)

5.2.1.3 Rising focus on integrating ADAS and AI-powered systems to enhance vehicle and passenger safety

FIGURE 17 COMPARISON OF YEARLY PRODUCTION OF PASSENGER CARS, 2017–2022 (MILLION UNITS)

5.2.1.4 Rapid advancements in camera technology

FIGURE 18 CAMERA MODULES MARKET DRIVERS AND THEIR IMPACT 5.2.2 RESTRAINTS

5.2.2.1 Design complexities due to miniaturization of devices

FIGURE 19 CAMERA MODULES MARKET RESTRAINTS AND THEIR IMPACT 5.2.3 OPPORTUNITIES

5.2.3.1 Growing use of image sensors in electronic devices

5.2.3.2 Emerging applications of AR and VR devices

5.2.3.3 Growing demand for industrial automation technologies and systems

FIGURE 20 CAMERA MODULES MARKET OPPORTUNITIES AND THEIR IMPACT 5.2.4 CHALLENGES

5.2.4.1 Complexities associated with manufacturing processes and supply chain FIGURE 21 CAMERA MODULES MARKET CHALLENGES AND THEIR IMPACT 5.3 VALUE CHAIN ANALYSIS

FIGURE 22 CAMERA MODULES MARKET: VALUE CHAIN ANALYSIS

FIGURE 23 ECOSYSTEM ANALYSIS

TABLE 2 ROLE OF PARTICIPANTS IN ECOSYSTEM

5.5 PRICING ANALYSIS

5.4 ECOSYSTEM MAPPING

5.5.1 AVERAGE SELLING PRICE OF CAMERA MODULES OFFERED BY KEY PLAYERS

FIGURE 24 AVERAGE SELLING PRICE OF CAMERA MODULES OFFERED BY KEY PLAYERS

TABLE 3 AVERAGE SELLING PRICE OF CAMERA MODULES OFFERED BY KEY PLAYERS (USD)

5.5.2 AVERAGE SELLING PRICE TRENDS

TABLE 4 INDICATIVE SELLING PRICE OF CAMERA MODULES, BY REGION



5.6 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS FIGURE 25 REVENUE SHIFTS AND NEW REVENUE POCKETS IN CAMERA MODULES MARKET

5.7 PORTER'S FIVE FORCES ANALYSIS

TABLE 5 CAMERA MODULES MARKET: PORTER'S FIVE FORCES ANALYSIS FIGURE 26 CAMERA MODULES MARKET: PORTER'S FIVE FORCES ANALYSIS

- **5.7.1 THREAT OF NEW ENTRANTS**
- 5.7.2 THREAT OF SUBSTITUTES
- 5.7.3 BARGAINING POWER OF SUPPLIERS
- 5.7.4 BARGAINING POWER OF BUYERS
- 5.7.5 INTENSITY OF COMPETITIVE RIVALRY
- 5.8 KEY STAKEHOLDERS AND BUYING CRITERIA
- 5.8.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 27 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE APPLICATIONS

TABLE 6 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE APPLICATIONS (%)

5.8.2 BUYING CRITERIA

FIGURE 28 KEY BUYING CRITERIA FOR TOP THREE INDUSTRIES TABLE 7 KEY BUYING CRITERIA FOR TOP THREE INDUSTRIES

5.9 CASE STUDY ANALYSIS

TABLE 8 E-CON SYSTEMS CAMERA MODULES MET SECURITY & SURVEILLANCE APPLICATION REQUIREMENTS FOR OEM

TABLE 9 E-CON SYSTEMS PROVIDED CAMERA SYSTEM FOR IMPROVED AUDIO AND VIDEO EXPERIENCES OUTSIDE CLASSROOMS OF EDUCATIONAL CENTERS

- 5.10 TECHNOLOGY ANALYSIS
 - 5.10.1 KEY TECHNOLOGIES
 - 5.10.1.1 CMOS technology
 - 5.10.1.2 CCD technology
 - 5.10.1.3 ToF technology
 - 5.10.1.4 OIS technology
 - 5.10.1.5 IR technology
 - 5.10.2 ADJACENT TECHNOLOGIES
 - 5.10.2.1 Quantum dot technology
- 5.11 TRADE ANALYSIS
 - 5.11.1 IMPORT SCENARIO

FIGURE 29 IMPORT DATA, BY COUNTRY, 2018–2022 (USD MILLION)

5.11.2 EXPORT SCENARIO



FIGURE 30 EXPORT DATA, BY COUNTRY, 2018–2022 (USD MILLION)

5.12 PATENT ANALYSIS, 2018–2022

TABLE 10 PATENTS RELATED TO CAMERA MODULES

FIGURE 31 NUMBER OF PATENTS GRANTED WORLDWIDE, 2012–2022

TABLE 11 TOP 20 PATENT OWNERS IN US, 2012-2022

FIGURE 32 TOP 10 COMPANIES WITH HIGHEST NUMBER OF PATENT

APPLICATIONS, 2012-2022

5.13 TARIFFS AND REGULATIONS

5.13.1 TARIFFS

5.13.2 REGULATORY COMPLIANCE

5.13.2.1 Regulations

5.14 STANDARDS AND REGULATORY LANDSCAPE

5.14.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 12 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 13 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 14 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 15 ROW: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.14.2 STANDARDS

5.14.2.1 Common safety standards related to camera modules market

5.15 KEY CONFERENCES AND EVENTS, 2023-2024

TABLE 16 CAMERA MODULES MARKET: LIST OF CONFERENCES AND EVENTS

6 CAMERA MODULES MARKET, BY MODULE TYPE

6.1 INTRODUCTION

FIGURE 33 CAMERA MODULES MARKET, BY MODULE TYPE

6.2 SINGLE CAMERA MODULES

6.3 DUAL CAMERA MODULES

6.4 MULTI-CAMERA MODULES

6.5 3D CAMERA MODULES

7 CAMERA MODULES MARKET, BY MANUFACTURING PROCESS

7.1 INTRODUCTION



FIGURE 34 CAMERA MODULES MARKET, BY PROCESS

7.2 FLIP-CHIP CAMERA MODULES

7.2.1 GROWING DEMAND FOR COMPACT AND SLIM DEVICES WITH MULTIPLE CAMERA CONFIGURATIONS TO FUEL SEGMENTAL GROWTH

7.3 CHIP-ON-BOARD CAMERA MODULES

7.3.1 INCREASING USE IN AUTOMATION AND PRODUCT STANDARDIZATION TO CONTRIBUTE TO MARKET GROWTH

8 CAMERA MODULES MARKET, BY COMPONENT

8.1 INTRODUCTION

FIGURE 35 CAMERA MODULES MARKET, BY COMPONENT

FIGURE 36 IMAGE SENSORS SEGMENT TO EXHIBIT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 17 CAMERA MODULES MARKET, BY COMPONENT, 2019–2022 (USD MILLION)

TABLE 18 CAMERA MODULES MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

8.2 IMAGE SENSORS

8.2.1 INCREASING DEPLOYMENT IN DIGITAL CAMERAS AND SMARTPHONES FOR HIGH-QUALITY IMAGES TO CONTRIBUTE TO SEGMENTAL GROWTH FIGURE 37 CONSUMER ELECTRONICS APPLICATIONS TO HOLD LARGEST SHARE OF CAMERA MODULES MARKET FOR IMAGE SENSORS IN 2028 TABLE 19 IMAGE SENSORS: CAMERA MODULES MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 20 IMAGE SENSORS: CAMERA MODULES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

- 8.2.2 CMOS IMAGE SENSORS
 - 8.2.2.1 Frontside illumination technology
 - 8.2.2.2 Backside illumination technology
- 8.2.3 CCD IMAGE SENSORS
- 8.2.4 OTHER IMAGE SENSORS
 - 8.2.4.1 NMOS image sensors
 - 8.2.4.2 InGaAs image sensors
 - 8.2.4.3 Flat-panel X-ray sensors
 - 8.2.4.4 sCMOS image sensors
- 8.3 LENS MODULES
- 8.3.1 UTILIZATION FOR SAFETY AND NAVIGATION AND IN SLIM AND PORTABLE PRODUCTS TO DRIVE SEGMENT



TABLE 21 LENS MODULES: CAMERA MODULES MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 22 LENS MODULES: CAMERA MODULES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

8.4 VOICE COIL MOTORS

8.4.1 REQUIREMENT OF ADVANCED CAMERA FUNCTIONALITIES WITH ENHANCED IMAGE OUTPUT FROM VARIOUS APPLICATIONS TO PROPEL DEMAND

TABLE 23 VOICE COIL MOTORS: CAMERA MODULES MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 24 VOICE COIL MOTORS: CAMERA MODULES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

8.5 OTHER COMPONENTS

TABLE 25 OTHER COMPONENTS: CAMERA MODULES MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 26 OTHER COMPONENTS: CAMERA MODULES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

9 CAMERA MODULES MARKET, BY FOCUS TYPE

9.1 INTRODUCTION

FIGURE 38 CAMERA MODULES MARKET, BY FOCUS TYPE
FIGURE 39 AUTOFOCUS SEGMENT TO EXHIBIT HIGHER CAGR FROM 2023 TO
2028

TABLE 27 CAMERA MODULES MARKET, BY FOCUS TYPE, 2019–2022 (USD MILLION)

TABLE 28 CAMERA MODULES MARKET, BY FOCUS TYPE, 2023–2028 (USD MILLION)

9.2 AUTOFOCUS

9.2.1 WIDE DEPLOYMENT IN MODERN CAMERAS TO GENERATE SHARP IMAGES IRRESPECTIVE OF DISTANCE OF OBJECTS TO DRIVE SEGMENTAL GROWTH

TABLE 29 AUTOFOCUS: CAMERA MODULES MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 30 AUTOFOCUS: CAMERA MODULES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

9.3 FIXED FOCUS

9.3.1 UTILIZATION IN CAMERAS REQUIRING INEXPENSIVE AND EASY-TO-USE FEATURES TO PROPEL MARKET



TABLE 31 FIXED FOCUS: CAMERA MODULES MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 32 FIXED FOCUS: CAMERA MODULES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

10 CAMERA MODULES MARKET, BY INTERFACE

10.1 INTRODUCTION

FIGURE 40 CAMERA MODULES MARKET, BY INTERFACE

FIGURE 41 SERIAL INTERFACE SEGMENT TO WITNESS HIGHER CAGR DURING FORECAST PERIOD

TABLE 33 CAMERA MODULES MARKET, BY INTERFACE, 2019–2022 (USD MILLION)

TABLE 34 CAMERA MODULES MARKET, BY INTERFACE, 2023–2028 (USD MILLION)

10.2 SERIAL INTERFACE

10.2.1 GROWING UTILIZATION FOR HIGH-SPEED DATA TRANSFER AND IMPROVED IMAGE QUALITY IN MODERN IMAGING AND VISION SYSTEMS TO PROPEL SEGMENT

10.3 PARALLEL INTERFACE

10.3.1 ADVANTAGES IN TERMS OF COMPACTNESS, SCALABILITY, AND POWER EFFICIENCY TO BOOST DEMAND

11 CAMERA MODULES MARKET, BY PIXEL

11.1 INTRODUCTION

FIGURE 42 CAMERA MODULES MARKET, BY PIXEL

FIGURE 43 ABOVE 13 MP SEGMENT TO RECORD HIGHEST CAGR DURING FORECAST PERIOD

TABLE 35 CAMERA MODULES MARKET, BY PIXEL, 2019–2022 (USD MILLION) TABLE 36 CAMERA MODULES MARKET, BY PIXEL, 2023–2028 (USD MILLION) 11.2 UP TO 7 MP

11.2.1 GREATER DEPLOYMENT IN AUTOMOBILES TO SUPPORT SEGMENTAL GROWTH

TABLE 37 UP TO 7 MP: CAMERA MODULES MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 38 UP TO 7 MP: CAMERA MODULES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

11.3 8 TO 13 MP



11.3.1 FREQUENT USE IN SMARTPHONES WITH DUAL OR TRIPLE CAMERA SETTINGS TO DRIVE MARKET

TABLE 39 8 TO 13 MP: CAMERA MODULES MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 40 8 TO 13 MP: CAMERA MODULES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

11.4 ABOVE 13 MP

11.4.1 RISING FOCUS ON HIGH-RESOLUTION SMARTPHONE CAMERAS AND HIGH-PERFORMANCE CAMERA MODULES FOR VARIOUS APPLICATIONS TO PROPEL SEGMENTAL GROWTH

TABLE 41 ABOVE 13 MP: CAMERA MODULES MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 42 ABOVE 13 MP: CAMERA MODULES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

12 CAMERA MODULES MARKET, BY APPLICATION

12.1 INTRODUCTION

FIGURE 44 CAMERA MODULES MARKET, BY APPLICATION FIGURE 45 CONSUMER ELECTRONICS APPLICATIONS TO LEAD CAMERA MODULES MARKET IN 2028

TABLE 43 CAMERA MODULES MARKET SHIPMENT, BY APPLICATION, 2019–2022 (MILLION UNITS)

TABLE 44 CAMERA MODULES MARKET SHIPMENT, BY APPLICATION, 2023–2028 (MILLION UNITS)

TABLE 45 CAMERA MODULES MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 46 CAMERA MODULES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

12.2 CONSUMER ELECTRONICS

12.2.1 DEPLOYMENT OF MULTIPLE CAMERAS AND BETTER-QUALITY CAMERA MODULES IN SMARTPHONES TO ENHANCE CONSUMER EXPERIENCE TO DRIVE MARKET

TABLE 47 CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY SUBTYPE, 2019–2022 (USD MILLION)

TABLE 48 CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY SUBTYPE, 2023–2028 (USD MILLION)

12.2.2 SMARTPHONES

12.2.3 TABLET PCS



12.2.4 CAMERAS

12.2.5 WEARABLES

12.2.6 OTHER CONSUMER ELECTRONICS

TABLE 49 CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY COMPONENT, 2019–2022 (USD MILLION)

TABLE 50 CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 51 CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY FOCUS TYPE, 2019–2022 (USD MILLION)

TABLE 52 CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY FOCUS TYPE, 2023–2028 (USD MILLION)

TABLE 53 CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY PIXEL, 2019–2022 (USD MILLION)

TABLE 54 CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY PIXEL, 2023–2028 (USD MILLION)

FIGURE 46 ASIA PACIFIC TO DOMINATE CAMERA MODULES MARKET FOR CONSUMER ELECTRONICS IN 2028

TABLE 55 CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 56 CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY REGION, 2023–2028 (USD MILLION)

12.3 AUTOMOTIVE

12.3.1 INCREASING DEMAND FOR SAFETY FEATURES IN VEHICLES AND GOVERNMENT MANDATES TO PUSH MARKET GROWTH

TABLE 57 AUTOMOTIVE: CAMERA MODULES MARKET, BY COMPONENT, 2019–2022 (USD MILLION)

TABLE 58 AUTOMOTIVE: CAMERA MODULES MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 59 AUTOMOTIVE: CAMERA MODULES MARKET, BY FOCUS TYPE, 2019–2022 (USD MILLION)

TABLE 60 AUTOMOTIVE: CAMERA MODULES MARKET, BY FOCUS TYPE, 2023–2028 (USD MILLION)

TABLE 61 AUTOMOTIVE: CAMERA MODULES MARKET, BY PIXEL, 2019–2022 (USD MILLION)

TABLE 62 AUTOMOTIVE: CAMERA MODULES MARKET, BY PIXEL, 2023–2028 (USD MILLION)

FIGURE 47 AUTOMOTIVE MARKET IN EUROPE TO LEAD CAMERA MODULES MARKET IN 2028

TABLE 63 AUTOMOTIVE: CAMERA MODULES MARKET, BY REGION, 2019-2022



(USD MILLION)

TABLE 64 AUTOMOTIVE: CAMERA MODULES MARKET, BY REGION, 2023–2028 (USD MILLION)

12.3.2 BY FUNCTION

12.3.2.1 ADAS

12.3.2.2 Viewing & Others

TABLE 65 AUTOMOTIVE: CAMERA MODULES MARKET, BY FUNCTION, 2019–2022 (USD MILLION)

TABLE 66 AUTOMOTIVE: CAMERA MODULES MARKET, BY FUNCTION, 2023–2028 (USD MILLION)

12.3.3 BY VIEW TYPE

12.3.3.1 Rear view

12.3.3.2 Front view and others

TABLE 67 AUTOMOTIVE: CAMERA MODULES MARKET, BY VIEW TYPE,

2019-2022 (USD MILLION)

TABLE 68 AUTOMOTIVE: CAMERA MODULES MARKET, BY VIEW TYPE,

2023-2028 (USD MILLION)

12.3.4 BY VEHICLE TYPE

12.3.4.1 Passenger

12.3.4.2 Commercial

TABLE 69 AUTOMOTIVE: CAMERA MODULES MARKET, BY VEHICLE TYPE, 2019–2022 (USD MILLION)

TABLE 70 AUTOMOTIVE: CAMERA MODULES MARKET, BY VEHICLE TYPE, 2023–2028 (USD MILLION)

12.4 INDUSTRIAL

12.4.1 USEFULNESS IN PRODUCTION MONITORING, MEASUREMENT TASKS, AND QUALITY CONTROL TO FUEL SEGMENTAL GROWTH

12.4.2 MACHINE VISION

12.4.3 ROBOTIC VISION

TABLE 71 INDUSTRIAL: CAMERA MODULES MARKET, BY COMPONENT, 2019–2022 (USD MILLION)

TABLE 72 INDUSTRIAL: CAMERA MODULES MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 73 INDUSTRIAL: CAMERA MODULES MARKET, BY FOCUS TYPE, 2019–2022 (USD MILLION)

TABLE 74 INDUSTRIAL: CAMERA MODULES MARKET, BY FOCUS TYPE, 2023–2028 (USD MILLION)

TABLE 75 INDUSTRIAL: CAMERA MODULES MARKET, BY PIXEL, 2019–2022 (USD MILLION)



TABLE 76 INDUSTRIAL: CAMERA MODULES MARKET, BY PIXEL, 2023–2028 (USD MILLION)

TABLE 77 INDUSTRIAL: CAMERA MODULES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 78 INDUSTRIAL: CAMERA MODULES MARKET, BY REGION, 2023–2028 (USD MILLION)

12.5 SECURITY & SURVEILLANCE

12.5.1 AVAILABILITY OF SPECIALIZED SURVEILLANCE CAMERAS WITH AI-BASED OBJECT DETECTION AND HIGH-RESOLUTION SENSORS TO CONTRIBUTE TO RISING DEMAND

12.5.2 PUBLIC PLACES AND INFRASTRUCTURES

12.5.3 COMMERCIAL & RESIDENTIAL

TABLE 79 SECURITY & SURVEILLANCE: CAMERA MODULES MARKET, BY COMPONENT, 2019–2022 (USD MILLION)

TABLE 80 SECURITY & SURVEILLANCE: CAMERA MODULES MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 81 SECURITY & SURVEILLANCE: CAMERA MODULES MARKET, BY FOCUS TYPE, 2019–2022 (USD MILLION)

TABLE 82 SECURITY & SURVEILLANCE: CAMERA MODULES MARKET, BY FOCUS TYPE, 2023–2028 (USD MILLION)

TABLE 83 SECURITY & SURVEILLANCE: CAMERA MODULES MARKET, BY PIXEL, 2019–2022 (USD MILLION)

TABLE 84 SECURITY & SURVEILLANCE: CAMERA MODULES MARKET, BY PIXEL, 2023–2028 (USD MILLION)

TABLE 85 SECURITY & SURVEILLANCE: CAMERA MODULES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 86 SECURITY & SURVEILLANCE: CAMERA MODULES MARKET, BY REGION, 2023–2028 (USD MILLION)

12.6 OTHER APPLICATIONS

12.6.1 HEALTHCARE

12.6.1.1 Endoscopy

12.6.1.2 Ophthalmology

12.6.1.3 Other healthcare applications

12.6.2 AEROSPACE & DEFENSE

12.6.2.1 Aerial and marine surveillance

12.6.2.2 Border surveillance & military operations

TABLE 87 OTHER APPLICATIONS: CAMERA MODULES MARKET, BY

COMPONENT, 2019–2022 (USD MILLION)

TABLE 88 OTHER APPLICATIONS: CAMERA MODULES MARKET, BY



COMPONENT, 2023-2028 (USD MILLION)

TABLE 89 OTHER APPLICATIONS: CAMERA MODULES MARKET, BY FOCUS TYPE, 2019–2022 (USD MILLION)

TABLE 90 OTHER APPLICATIONS: CAMERA MODULES MARKET, BY FOCUS TYPE, 2023–2028 (USD MILLION)

TABLE 91 OTHER APPLICATIONS: CAMERA MODULES MARKET, BY PIXEL, 2019–2022 (USD MILLION)

TABLE 92 OTHER APPLICATIONS: CAMERA MODULES MARKET, BY PIXEL, 2023–2028 (USD MILLION)

TABLE 93 OTHER APPLICATIONS: CAMERA MODULES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 94 OTHER APPLICATIONS: CAMERA MODULES MARKET, BY REGION, 2023–2028 (USD MILLION)

13 CAMERA MODULES MARKET, BY REGION

13.1 INTRODUCTION

FIGURE 48 CAMERA MODULES MARKET, BY REGION

TABLE 95 CAMERA MODULES MARKET, BY REGION, 2019–2022 (USD MILLION) TABLE 96 CAMERA MODULES MARKET, BY REGION, 2023–2028 (USD MILLION) 13.2 NORTH AMERICA

13.2.1 IMPACT OF RECESSION ON CAMERA MODULES MARKET IN NORTH AMERICA

FIGURE 49 NORTH AMERICA: CAMERA MODULES MARKET SNAPSHOT TABLE 97 NORTH AMERICA: CAMERA MODULES MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 98 NORTH AMERICA: CAMERA MODULES MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 99 NORTH AMERICA: CAMERA MODULES MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 100 NORTH AMERICA: CAMERA MODULES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

13.2.2 US

13.2.2.1 Rising focus on automobile safety and technologically advanced consumer electronics to create market growth opportunities

13.2.3 CANADA

- 13.2.3.1 Government mandates to increase safety of vehicles to drive market 13.2.4 MEXICO
 - 13.2.4.1 Increasing foreign direct investments to provide growth opportunities



13.3 EUROPE

FIGURE 50 EUROPE: CAMERA MODULES MARKET SNAPSHOT

TABLE 101 EUROPE: CAMERA MODULES MARKET, BY COUNTRY, 2019–2022

(USD MILLION)

TABLE 102 EUROPE: CAMERA MODULES MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 103 EUROPE: CAMERA MODULES MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 104 EUROPE: CAMERA MODULES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

13.3.1 IMPACT OF RECESSION ON CAMERA MODULES MARKET IN EUROPE 13.3.2 GERMANY

13.3.2.1 Focus on premium automotive manufacturing to provide opportunities for market growth

13.3.3 FRANCE

13.3.3.1 Increasing demand and popularity of autonomous vehicles to support market expansion

13.3.4 UK

13.3.4.1 Presence of premium vehicle companies to fuel market growth 13.3.5 ITALY

13.3.5.1 Growing adoption of digital technologies to drive market

13.3.6 REST OF EUROPE

13.4 ASIA PACIFIC

FIGURE 51 ASIA PACIFIC: CAMERA MODULES MARKET SNAPSHOT

TABLE 105 ASIA PACIFIC: CAMERA MODULES MARKET, BY COUNTRY,

2019-2022 (USD MILLION)

TABLE 106 ASIA PACIFIC: CAMERA MODULES MARKET, BY COUNTRY,

2023-2028 (USD MILLION)

TABLE 107 ASIA PACIFIC: CAMERA MODULES MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 108 ASIA PACIFIC: CAMERA MODULES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

13.4.1 IMPACT OF RECESSION ON CAMERA MODULES MARKET IN ASIA PACIFIC

13.4.2 CHINA

13.4.2.1 Elevated demand for automotive and consumer electronics products to boost market

13.4.3 JAPAN

13.4.3.1 Market dominance in automobiles, robotics, & biotechnology to propel



adoption of camera modules

13.4.4 SOUTH KOREA

13.4.4.1 Presence of leading smartphone and automotive players to drive demand for camera modules

13.4.5 REST OF ASIA PACIFIC

13.5 ROW

TABLE 109 ROW: CAMERA MODULES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 110 ROW: CAMERA MODULES MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 111 ROW: CAMERA MODULES MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 112 ROW: CAMERA MODULES MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

13.5.1 IMPACT OF RECESSION ON CAMERA MODULES MARKET IN ROW 13.5.2 SOUTH AMERICA

13.5.2.1 Rising use of cameras in vehicles for 360° view and ADAS to support market growth

13.5.3 MIDDLE EAST & AFRICA

13.5.3.1 Strict security & surveillance regulations to propel adoption of cameras

14 COMPETITIVE LANDSCAPE

14.1 OVERVIEW

14.2 STRATEGIES ADOPTED BY KEY PLAYERS

TABLE 113 OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS IN CAMERA MODULES MARKET

14.3 REVENUE ANALYSIS, 2018–2022

FIGURE 52 FIVE-YEAR REVENUE ANALYSIS OF TOP THREE PLAYERS IN CAMERA MODULES MARKET

14.4 MARKET SHARE ANALYSIS, 2022

TABLE 114 CAMERA MODULES MARKET: MARKET SHARE ANALYSIS

FIGURE 53 MARKET SHARE OF KEY PLAYERS, 2022

14.5 KEY COMPANY EVALUATION MATRIX, 2022

14.5.1 STARS

14.5.2 EMERGING LEADERS

14.5.3 PERVASIVE PLAYERS

14.5.4 PARTICIPANTS

FIGURE 54 CAMERA MODULES MARKET (GLOBAL): KEY COMPANY EVALUATION



MATRIX, 2022

14.6 STARTUPS/SMALL AND MEDIUM-SIZED ENTERPRISES (SMES) EVALUATION MATRIX, 2022

14.6.1 PROGRESSIVE COMPANIES

14.6.2 RESPONSIVE COMPANIES

14.6.3 DYNAMIC COMPANIES

14.6.4 STARTING BLOCKS

FIGURE 55 CAMERA MODULES MARKET (GLOBAL): STARTUPS/SMES

EVALUATION MATRIX. 2022

14.7 COMPANY FOOTPRINT

TABLE 115 OVERALL COMPANY FOOTPRINT

TABLE 116 COMPANY FOOTPRINT, BY COMPONENT

TABLE 117 COMPANY FOOTPRINT, BY APPLICATION

TABLE 118 COMPANY FOOTPRINT, BY REGION

14.8 COMPETITIVE BENCHMARKING

TABLE 119 CAMERA MODULES MARKET: LIST OF KEY STARTUPS/SMES

14.9 COMPETITIVE SCENARIOS AND TRENDS

TABLE 120 CAMERA MODULES MARKET: PRODUCT LAUNCHES, 2021?2023

TABLE 121 CAMERA MODULES MARKET: DEALS, 2021–2023 TABLE 122 CAMERA MODULES MARKET: OTHERS, 2021–2023

15 COMPANY PROFILES

(Business overview, Product/Solution/Service offered, Recent developments & MnM View)*

15.1 KEY PLAYERS

15.1.1 LG INNOTEK

TABLE 123 LG INNOTEK: COMPANY OVERVIEW

FIGURE 56 LG INNOTEK: COMPANY SNAPSHOT

TABLE 124 LG INNOTEK: PRODUCT/SOLUTION/SERVICE OFFERINGS

TABLE 125 LG INNOTEK: PRODUCT LAUNCHES

TABLE 126 LG INNOTEK: DEALS

15.1.2 OFILM

TABLE 127 OFILM: COMPANY OVERVIEW

TABLE 128 OFILM: PRODUCT/SOLUTION/SERVICE OFFERINGS

15.1.3 SUNNY OPTICAL TECHNOLOGY (GROUP) COMPANY LIMITED

TABLE 129 SUNNY OPTICAL TECHNOLOGY (GROUP) COMPANY LIMITED:

COMPANY OVERVIEW

FIGURE 57 SUNNY OPTICAL TECHNOLOGY (GROUP) COMPANY LIMITED:



COMPANY SNAPSHOT

TABLE 130 SUNNY OPTICAL TECHNOLOGY (GROUP) COMPANY LIMITED: PRODUCT/SOLUTION/SERVICE OFFERINGS

15.1.4 HON HAI PRECISION INDUSTRY CO., LTD.

TABLE 131 HON HAI PRECISION INDUSTRY CO., LTD.: COMPANY OVERVIEW

FIGURE 58 HON HAI PRECISION INDUSTRY CO., LTD.: COMPANY SNAPSHOT

TABLE 132 HON HAI PRECISION INDUSTRY CO., LTD.:

PRODUCT/SOLUTION/SERVICE OFFERINGS

TABLE 133 HON HAI PRECISION INDUSTRY CO., LTD.: DEALS

15.1.5 SAMSUNG ELECTRO-MECHANICS

TABLE 134 SAMSUNG ELECTRO-MECHANICS: COMPANY OVERVIEW

FIGURE 59 SAMSUNG ELECTRO-MECHANICS: COMPANY SNAPSHOT

TABLE 135 SAMSUNG ELECTRO-MECHANICS: PRODUCT/SOLUTION/SERVICE OFFERINGS

TABLE 136 SAMSUNG ELECTRO-MECHANICS: PRODUCT LAUNCHES

15.1.6 CHICONY ELECTRONICS CO., LTD

TABLE 137 CHICONY ELECTRONICS CO., LTD: COMPANY OVERVIEW

FIGURE 60 CHICONY ELECTRONICS CO., LTD: COMPANY SNAPSHOT

TABLE 138 CHICONY ELECTRONICS CO., LTD: PRODUCT/SOLUTION/SERVICE OFFERINGS

15.1.7 Q TECHNOLOGY (GROUP) COMPANY LIMITED

TABLE 139 Q TECHNOLOGY (GROUP) COMPANY LIMITED: COMPANY OVERVIEW

TABLE 140 Q TECHNOLOGY (GROUP) COMPANY LIMITED:

PRODUCT/SOLUTION/SERVICE OFFERINGS

15.1.8 AMS-OSRAM AG

TABLE 141 AMS-OSRAM AG: COMPANY OVERVIEW

FIGURE 61 AMS-OSRAM AG: COMPANY SNAPSHOT

TABLE 142 AMS-OSRAM AG: PRODUCT/SOLUTION/SERVICE OFFERINGS

TABLE 143 AMS-OSRAM AG: PRODUCT LAUNCHES

15.1.9 MCNEX CO., LTD

TABLE 144 MCNEX CO., LTD: COMPANY OVERVIEW

FIGURE 62 MCNEX CO., LTD: COMPANY SNAPSHOT

TABLE 145 MCNEX CO., LTD: PRODUCT/SOLUTION/SERVICE OFFERINGS

TABLE 146 MCNEX CO., LTD: PRODUCT LAUNCHES

15.1.10 TRULY INTERNATIONAL HOLDINGS LIMITED

TABLE 147 TRULY INTERNATIONAL HOLDINGS LIMITED: COMPANY OVERVIEW

FIGURE 63 TRULY INTERNATIONAL HOLDINGS LIMITED: COMPANY SNAPSHOT

TABLE 148 TRULY INTERNATIONAL HOLDINGS LIMITED:

PRODUCT/SOLUTION/SERVICE OFFERINGS



*Details on Business overview, Product/Solution/Service offered, Recent developments & MnM View might not be captured in case of unlisted companies.

15.2 OTHER PLAYERS

15.2.1 CAMMSYS. CORP

TABLE 149 CAMMSYS. CORP: COMPANY OVERVIEW

15.2.2 INTEL CORPORATION

TABLE 150 INTEL CORPORATION: COMPANY OVERVIEW

15.2.3 PRIMAX ELECTRONICS LTD.

TABLE 151 PRIMAX ELECTRONICS LTD.: COMPANY OVERVIEW

15.2.4 SONY CORPORATION

TABLE 152 SONY CORPORATION: COMPANY OVERVIEW

15.2.5 SHENZHEN CHUANGMU TECHNOLOGY CO., LTD

TABLE 153 SHENZHEN CM TECHNOLOGY CO., LTD: COMPANY OVERVIEW

15.2.6 JENOPTIK

TABLE 154 JENOPTIK: COMPANY OVERVIEW

15.2.7 LEOPARD IMAGING INC.

TABLE 155 LEOPARD IMAGING INC.: COMPANY OVERVIEW

15.2.8 LUXVISIONS-INNO

TABLE 156 LUXVISIONS-INNO: COMPANY OVERVIEW

15.2.9 HAESUNG OPTICS

TABLE 157 HAESUNG OPTICS: COMPANY OVERVIEW

15.2.10 COWELL

TABLE 158 COWELL: COMPANY OVERVIEW

15.2.11 PARTRON

TABLE 159 PARTRON: COMPANY OVERVIEW

15.2.12 OMNIVISION

TABLE 160 OMNIVISION: COMPANY OVERVIEW

15.2.13 KYOCERA CORPORATION

TABLE 161 KYOCERA CORPORATION: COMPANY OVERVIEW

15.2.14 E-CON SYSTEMS

TABLE 162 E-CON SYSTEMS: COMPANY OVERVIEW

15.2.15 SYNTEC OPTICS

TABLE 163 SYNTEC OPTICS: COMPANY OVERVIEW

15.2.16 NAMUGA

TABLE 164 NAMUGA: COMPANY OVERVIEW

15.2.17 AAC TECHNOLOGIES

TABLE 165 AAC TECHNOLOGIES: COMPANY OVERVIEW

16 APPENDIX



- **16.1 DISCUSSION GUIDE**
- 16.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL
- **16.3 CUSTOMIZATION OPTIONS**
- **16.4 RELATED REPORTS**
- 16.5 AUTHOR DETAILS



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