

Camera Modules Market by Component (Image Sensor, Lens Module, Voice Coil Motor, Filters), Interface (Serial, Parallel), Pixel (>7 MP, 8-13 MP, <13 MP), Focus (Autofocus, Fixed), Interface (Serial, Parallel), Process and Region - Global Forecast to 2028

Market Report | 2023-09-19 | 207 pages | MarketsandMarkets

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Report description:

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

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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.

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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 modules market

- 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.

Table of Contents:

1 □ INTRODUCTION □ 22

1.1 □ STUDY OBJECTIVES □ 22

1.2 □ MARKET DEFINITION □ 22

1.2.1 □ INCLUSIONS AND EXCLUSIONS □ 23

1.3 □ STUDY SCOPE □ 24

1.3.1 □ MARKETS COVERED □ 24

FIGURE 1 □ CAMERA MODULES MARKET: SEGMENTATION □ 24

1.3.2 □ REGIONAL SCOPE □ 25

1.3.3 □ YEARS CONSIDERED □ 25

1.4 □ CURRENCY CONSIDERED □ 25

1.5 □ STAKEHOLDERS □ 26

1.6 □ SUMMARY OF CHANGES □ 26

1.7 □ RECESSION IMPACT ANALYSIS □ 27

2 □ RESEARCH METHODOLOGY □ 28

2.1 □ RESEARCH DATA □ 28

FIGURE 2 □ CAMERA MODULES MARKET: RESEARCH DESIGN □ 28

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2.1.1	SECONDARY DATA	29
2.1.1.1	List of key secondary sources	29
2.1.1.2	Key data from secondary sources	30
2.1.2	PRIMARY DATA	30
2.1.2.1	Breakdown of primaries	30
2.1.2.2	Key data from primary sources	31
2.1.2.3	Key industry insights	31
2.2	FACTOR ANALYSIS	32
FIGURE 3	MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 1-TOP DOWN (SUPPLY SIDE)-REVENUES GENERATED BY COMPANIES FROM SALES OF CAMERA MODULES	32
2.3	MARKET SIZE ESTIMATION	33
2.3.1	BOTTOM-UP APPROACH	33
2.3.1.1	Approach to estimate market size using bottom-up analysis (demand side)	33
FIGURE 4	MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH	34
2.3.2	TOP-DOWN APPROACH	34
2.3.2.1	Approach to estimate market size using top-down analysis (supply side)	34
FIGURE 5	MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH	34
2.4	MARKET BREAKDOWN AND DATA TRIANGULATION	35
FIGURE 6	DATA TRIANGULATION	35
2.5	RESEARCH ASSUMPTIONS	36
2.6	PARAMETERS CONSIDERED TO ANALYZE IMPACT OF RECESSION ON CAMERA MODULES MARKET	36
3	EXECUTIVE SUMMARY	37
FIGURE 7	IMAGE SENSORS SEGMENT TO DOMINATE CAMERA MODULES MARKET IN 2028	37
FIGURE 8	FIXED FOCUS CAMERA MODULES HELD LARGER SHARE OF CAMERA MODULES MARKET IN 2022	38
FIGURE 9	CONSUMER ELECTRONICS APPLICATION REGISTERED LARGEST MARKET SIZE IN 2028	38
FIGURE 10	ASIA PACIFIC ACCOUNTED FOR LARGEST SHARE OF CAMERA MODULES MARKET IN 2022	39
4	PREMIUM INSIGHTS	40
4.1	MAJOR OPPORTUNITIES FOR PLAYERS IN CAMERA MODULES MARKET	40
FIGURE 11	GROWING DEMAND FOR CONSUMER ELECTRONICS AND FOCUS ON AUTOMOTIVE APPLICATIONS TO FUEL MARKET GROWTH FROM 2023 TO 2028	40
4.2	CAMERA MODULES MARKET, BY INTERFACE	40
FIGURE 12	SERIAL INTERFACE TYPE CAMERA MODULES TO RECORD HIGHER CAGR DURING FORECAST PERIOD	40
4.3	CAMERA MODULES MARKET, BY PIXEL	41
FIGURE 13	8 TO 13 MP SEGMENT TO ACCOUNT FOR LARGEST SHARE OF CAMERA MODULES MARKET IN 2028	41
4.4	CAMERA MODULES MARKET, BY APPLICATION	41
FIGURE 14	AUTOMOTIVE APPLICATIONS TO EXHIBIT HIGHEST CAGR IN CAMERA MODULES MARKET DURING FORECAST PERIOD	41
4.5	CAMERA MODULES MARKET, BY REGION	42
FIGURE 15	INDIA TO REGISTER HIGHEST CAGR IN CAMERA MODULES MARKET DURING FORECAST PERIOD	42
5	MARKET OVERVIEW	43
5.1	INTRODUCTION	43
5.2	MARKET DYNAMICS	43
FIGURE 16	CAMERA MODULES MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES	43
5.2.1	DRIVERS	44
5.2.1.1	Increasing demand for consumer electronics	44
5.2.1.2	Growing deployment of surveillance cameras to ensure public safety and security	44
TABLE 1	TOTAL NUMBER OF CCTV CAMERAS INSTALLED IN TOP COUNTRIES (MILLION UNITS)	44
5.2.1.3	Rising focus on integrating ADAS and AI-powered systems to enhance vehicle and passenger safety	45

FIGURE 17	COMPARISON OF YEARLY PRODUCTION OF PASSENGER CARS, 2017-2022 (MILLION UNITS)	45
5.2.1.4	Rapid advancements in camera technology	46
FIGURE 18	CAMERA MODULES MARKET DRIVERS AND THEIR IMPACT	47
5.2.2	RESTRAINTS	47
5.2.2.1	Design complexities due to miniaturization of devices	47
FIGURE 19	CAMERA MODULES MARKET RESTRAINTS AND THEIR IMPACT	48
5.2.3	OPPORTUNITIES	48
5.2.3.1	Growing use of image sensors in electronic devices	48
5.2.3.2	Emerging applications of AR and VR devices	48
5.2.3.3	Growing demand for industrial automation technologies and systems	49
FIGURE 20	CAMERA MODULES MARKET OPPORTUNITIES AND THEIR IMPACT	49
5.2.4	CHALLENGES	49
5.2.4.1	Complexities associated with manufacturing processes and supply chain	49
FIGURE 21	CAMERA MODULES MARKET CHALLENGES AND THEIR IMPACT	50
5.3	VALUE CHAIN ANALYSIS	50
FIGURE 22	CAMERA MODULES MARKET: VALUE CHAIN ANALYSIS	50
5.4	ECOSYSTEM MAPPING	51
FIGURE 23	ECOSYSTEM ANALYSIS	51
TABLE 2	ROLE OF PARTICIPANTS IN ECOSYSTEM	52
5.5	PRICING ANALYSIS	52
5.5.1	AVERAGE SELLING PRICE OF CAMERA MODULES OFFERED BY KEY PLAYERS	52
FIGURE 24	AVERAGE SELLING PRICE OF CAMERA MODULES OFFERED BY KEY PLAYERS	53
TABLE 3	AVERAGE SELLING PRICE OF CAMERA MODULES OFFERED BY KEY PLAYERS (USD)	53
5.5.2	AVERAGE SELLING PRICE TRENDS	53
TABLE 4	INDICATIVE SELLING PRICE OF CAMERA MODULES, BY REGION	53
5.6	TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS	54
FIGURE 25	REVENUE SHIFTS AND NEW REVENUE POCKETS IN CAMERA MODULES MARKET	54
5.7	PORTER'S FIVE FORCES ANALYSIS	55
TABLE 5	CAMERA MODULES MARKET: PORTER'S FIVE FORCES ANALYSIS	55
FIGURE 26	CAMERA MODULES MARKET: PORTER'S FIVE FORCES ANALYSIS	56
5.7.1	THREAT OF NEW ENTRANTS	56
5.7.2	THREAT OF SUBSTITUTES	57
5.7.3	BARGAINING POWER OF SUPPLIERS	57
5.7.4	BARGAINING POWER OF BUYERS	57
5.7.5	INTENSITY OF COMPETITIVE RIVALRY	57
5.8	KEY STAKEHOLDERS AND BUYING CRITERIA	58
5.8.1	KEY STAKEHOLDERS IN BUYING PROCESS	58
FIGURE 27	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE APPLICATIONS	58
TABLE 6	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE APPLICATIONS (%)	58
5.8.2	BUYING CRITERIA	59
FIGURE 28	KEY BUYING CRITERIA FOR TOP THREE INDUSTRIES	59
TABLE 7	KEY BUYING CRITERIA FOR TOP THREE INDUSTRIES	59
5.9	CASE STUDY ANALYSIS	60
TABLE 8	E-CON SYSTEMS CAMERA MODULES MET SECURITY & SURVEILLANCE APPLICATION REQUIREMENTS FOR OEM	60
TABLE 9	E-CON SYSTEMS PROVIDED CAMERA SYSTEM FOR IMPROVED AUDIO AND VIDEO EXPERIENCES OUTSIDE CLASSROOMS OF EDUCATIONAL CENTERS	60
5.10	TECHNOLOGY ANALYSIS	60

5.10.1	KEY TECHNOLOGIES	60
5.10.1.1	CMOS technology	60
5.10.1.2	CCD technology	61
5.10.1.3	ToF technology	61
5.10.1.4	OIS technology	61
5.10.1.5	IR technology	61
5.10.2	ADJACENT TECHNOLOGIES	62
5.10.2.1	Quantum dot technology	62
5.11	TRADE ANALYSIS	62
5.11.1	IMPORT SCENARIO	62
	FIGURE 29 IMPORT DATA, BY COUNTRY, 2018-2022 (USD MILLION)	62
5.11.2	EXPORT SCENARIO	63
	FIGURE 30 EXPORT DATA, BY COUNTRY, 2018-2022 (USD MILLION)	63
5.12	PATENT ANALYSIS, 2018-2022	64
	TABLE 10 PATENTS RELATED TO CAMERA MODULES	64
	FIGURE 31 NUMBER OF PATENTS GRANTED WORLDWIDE, 2012-2022	65
	TABLE 11 TOP 20 PATENT OWNERS IN US, 2012-2022	65
	FIGURE 32 TOP 10 COMPANIES WITH HIGHEST NUMBER OF PATENT APPLICATIONS, 2012-2022	66
5.13	TARIFFS AND REGULATIONS	66
5.13.1	TARIFFS	66
5.13.2	REGULATORY COMPLIANCE	66
5.13.2.1	Regulations	67
5.14	STANDARDS AND REGULATORY LANDSCAPE	67
5.14.1	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	67
	TABLE 12 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	67
	TABLE 13 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	68
	TABLE 14 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	68
	TABLE 15 ROW: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	69
5.14.2	STANDARDS	69
5.14.2.1	Common safety standards related to camera modules market	70
5.15	KEY CONFERENCES AND EVENTS, 2023-2024	71
	TABLE 16 CAMERA MODULES MARKET: LIST OF CONFERENCES AND EVENTS	71
6	CAMERA MODULES MARKET, BY MODULE TYPE	72
6.1	INTRODUCTION	72
	FIGURE 33 CAMERA MODULES MARKET, BY MODULE TYPE	72
6.2	SINGLE CAMERA MODULES	72
6.3	DUAL CAMERA MODULES	72
6.4	MULTI-CAMERA MODULES	73
6.5	3D CAMERA MODULES	73
7	CAMERA MODULES MARKET, BY MANUFACTURING PROCESS	74
7.1	INTRODUCTION	74
	FIGURE 34 CAMERA MODULES MARKET, BY PROCESS	74
7.2	FLIP-CHIP CAMERA MODULES	74
7.2.1	GROWING DEMAND FOR COMPACT AND SLIM DEVICES WITH MULTIPLE CAMERA CONFIGURATIONS TO FUEL SEGMENTAL GROWTH	74
7.3	CHIP-ON-BOARD CAMERA MODULES	75
7.3.1	INCREASING USE IN AUTOMATION AND PRODUCT STANDARDIZATION TO CONTRIBUTE TO MARKET GROWTH	75

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8 CAMERA MODULES MARKET, BY COMPONENT 76

8.1 INTRODUCTION 77

FIGURE 35 CAMERA MODULES MARKET, BY COMPONENT 77

FIGURE 36 IMAGE SENSORS SEGMENT TO EXHIBIT HIGHEST CAGR DURING FORECAST PERIOD 77

TABLE 17 CAMERA MODULES MARKET, BY COMPONENT, 2019-2022 (USD MILLION) 78

TABLE 18 CAMERA MODULES MARKET, BY COMPONENT, 2023-2028 (USD MILLION) 78

8.2 IMAGE SENSORS 78

8.2.1 INCREASING DEPLOYMENT IN DIGITAL CAMERAS AND SMARTPHONES FOR HIGH-QUALITY IMAGES TO CONTRIBUTE TO SEGMENTAL GROWTH 78

FIGURE 37 CONSUMER ELECTRONICS APPLICATIONS TO HOLD LARGEST SHARE OF CAMERA MODULES MARKET FOR IMAGE SENSORS IN 2028 79

TABLE 19 IMAGE SENSORS: CAMERA MODULES MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 79

TABLE 20 IMAGE SENSORS: CAMERA MODULES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 80

8.2.2 CMOS IMAGE SENSORS 80

8.2.2.1 Frontside illumination technology 81

8.2.2.2 Backside illumination technology 81

8.2.3 CCD IMAGE SENSORS 81

8.2.4 OTHER IMAGE SENSORS 81

8.2.4.1 NMOS image sensors 81

8.2.4.2 InGaAs image sensors 82

8.2.4.3 Flat-panel X-ray sensors 82

8.2.4.4 sCMOS image sensors 82

8.3 LENS MODULES 82

8.3.1 UTILIZATION FOR SAFETY AND NAVIGATION AND IN SLIM AND PORTABLE PRODUCTS TO DRIVE SEGMENT 82

TABLE 21 LENS MODULES: CAMERA MODULES MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 83

TABLE 22 LENS MODULES: CAMERA MODULES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 83

8.4 VOICE COIL MOTORS 83

8.4.1 REQUIREMENT OF ADVANCED CAMERA FUNCTIONALITIES WITH ENHANCED IMAGE OUTPUT FROM VARIOUS APPLICATIONS TO PROPEL DEMAND 83

TABLE 23 VOICE COIL MOTORS: CAMERA MODULES MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 84

TABLE 24 VOICE COIL MOTORS: CAMERA MODULES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 84

8.5 OTHER COMPONENTS 85

TABLE 25 OTHER COMPONENTS: CAMERA MODULES MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 85

TABLE 26 OTHER COMPONENTS: CAMERA MODULES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 85

9 CAMERA MODULES MARKET, BY FOCUS TYPE 86

9.1 INTRODUCTION 87

FIGURE 38 CAMERA MODULES MARKET, BY FOCUS TYPE 87

FIGURE 39 AUTOFOCUS SEGMENT TO EXHIBIT HIGHER CAGR FROM 2023 TO 2028 87

TABLE 27 CAMERA MODULES MARKET, BY FOCUS TYPE, 2019-2022 (USD MILLION) 88

TABLE 28 CAMERA MODULES MARKET, BY FOCUS TYPE, 2023-2028 (USD MILLION) 88

9.2 AUTOFOCUS 89

9.2.1 WIDE DEPLOYMENT IN MODERN CAMERAS TO GENERATE SHARP IMAGES IRRESPECTIVE OF DISTANCE OF OBJECTS TO DRIVE SEGMENTAL GROWTH 89

TABLE 29 AUTOFOCUS: CAMERA MODULES MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 89

TABLE 30 AUTOFOCUS: CAMERA MODULES MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 89

9.3 FIXED FOCUS 90

9.3.1 UTILIZATION IN CAMERAS REQUIRING INEXPENSIVE AND EASY-TO-USE FEATURES TO PROPEL MARKET 90

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TABLE 31	FIXED FOCUS: CAMERA MODULES MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	90
TABLE 32	FIXED FOCUS: CAMERA MODULES MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	90
?		
10	CAMERA MODULES MARKET, BY INTERFACE	91
10.1	INTRODUCTION	92
FIGURE 40	CAMERA MODULES MARKET, BY INTERFACE	92
FIGURE 41	SERIAL INTERFACE SEGMENT TO WITNESS HIGHER CAGR DURING FORECAST PERIOD	92
TABLE 33	CAMERA MODULES MARKET, BY INTERFACE, 2019-2022 (USD MILLION)	93
TABLE 34	CAMERA MODULES MARKET, BY INTERFACE, 2023-2028 (USD MILLION)	93
10.2	SERIAL INTERFACE	93
10.2.1	GROWING UTILIZATION FOR HIGH-SPEED DATA TRANSFER AND IMPROVED IMAGE QUALITY IN MODERN IMAGING AND VISION SYSTEMS TO PROPEL SEGMENT	93
10.3	PARALLEL INTERFACE	94
10.3.1	ADVANTAGES IN TERMS OF COMPACTNESS, SCALABILITY, AND POWER EFFICIENCY TO BOOST DEMAND	94
11	CAMERA MODULES MARKET, BY PIXEL	95
11.1	INTRODUCTION	96
FIGURE 42	CAMERA MODULES MARKET, BY PIXEL	96
FIGURE 43	ABOVE 13 MP SEGMENT TO RECORD HIGHEST CAGR DURING FORECAST PERIOD	96
TABLE 35	CAMERA MODULES MARKET, BY PIXEL, 2019-2022 (USD MILLION)	97
TABLE 36	CAMERA MODULES MARKET, BY PIXEL, 2023-2028 (USD MILLION)	97
11.2	UP TO 7 MP	98
11.2.1	GREATER DEPLOYMENT IN AUTOMOBILES TO SUPPORT SEGMENTAL GROWTH	98
TABLE 37	UP TO 7 MP: CAMERA MODULES MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	99
TABLE 38	UP TO 7 MP: CAMERA MODULES MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	99
11.3	8 TO 13 MP	99
11.3.1	FREQUENT USE IN SMARTPHONES WITH DUAL OR TRIPLE CAMERA SETTINGS TO DRIVE MARKET	99
TABLE 39	8 TO 13 MP: CAMERA MODULES MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	100
TABLE 40	8 TO 13 MP: CAMERA MODULES MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	100
11.4	ABOVE 13 MP	100
11.4.1	RIISING FOCUS ON HIGH-RESOLUTION SMARTPHONE CAMERAS AND HIGH-PERFORMANCE CAMERA MODULES FOR VARIOUS APPLICATIONS TO PROPEL SEGMENTAL GROWTH	100
TABLE 41	ABOVE 13 MP: CAMERA MODULES MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	101
TABLE 42	ABOVE 13 MP: CAMERA MODULES MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	101
?		
12	CAMERA MODULES MARKET, BY APPLICATION	102
12.1	INTRODUCTION	103
FIGURE 44	CAMERA MODULES MARKET, BY APPLICATION	103
FIGURE 45	CONSUMER ELECTRONICS APPLICATIONS TO LEAD CAMERA MODULES MARKET IN 2028	103
TABLE 43	CAMERA MODULES MARKET SHIPMENT, BY APPLICATION, 2019-2022 (MILLION UNITS)	104
TABLE 44	CAMERA MODULES MARKET SHIPMENT, BY APPLICATION, 2023-2028 (MILLION UNITS)	104
TABLE 45	CAMERA MODULES MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	104
TABLE 46	CAMERA MODULES MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	105
12.2	CONSUMER ELECTRONICS	105
12.2.1	DEPLOYMENT OF MULTIPLE CAMERAS AND BETTER-QUALITY CAMERA MODULES IN SMARTPHONES TO ENHANCE CONSUMER EXPERIENCE TO DRIVE MARKET	105
TABLE 47	CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY SUBTYPE, 2019-2022 (USD MILLION)	106
TABLE 48	CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY SUBTYPE, 2023-2028 (USD MILLION)	106

12.2.2	SMARTPHONES	106
12.2.3	TABLET PCS	107
12.2.4	CAMERAS	107
12.2.5	WEARABLES	107
12.2.6	OTHER CONSUMER ELECTRONICS	108
TABLE 49	CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY COMPONENT, 2019-2022 (USD MILLION)	108
TABLE 50	CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY COMPONENT, 2023-2028 (USD MILLION)	108
TABLE 51	CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY FOCUS TYPE, 2019-2022 (USD MILLION)	109
TABLE 52	CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY FOCUS TYPE, 2023-2028 (USD MILLION)	109
TABLE 53	CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY PIXEL, 2019-2022 (USD MILLION)	109
TABLE 54	CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY PIXEL, 2023-2028 (USD MILLION)	109
FIGURE 46	ASIA PACIFIC TO DOMINATE CAMERA MODULES MARKET FOR CONSUMER ELECTRONICS IN 2028	110
TABLE 55	CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY REGION, 2019-2022 (USD MILLION)	110
TABLE 56	CONSUMER ELECTRONICS: CAMERA MODULES MARKET, BY REGION, 2023-2028 (USD MILLION)	110
12.3	AUTOMOTIVE	111
12.3.1	INCREASING DEMAND FOR SAFETY FEATURES IN VEHICLES AND GOVERNMENT MANDATES TO PUSH MARKET GROWTH	111
TABLE 57	AUTOMOTIVE: CAMERA MODULES MARKET, BY COMPONENT, 2019-2022 (USD MILLION)	111
TABLE 58	AUTOMOTIVE: CAMERA MODULES MARKET, BY COMPONENT, 2023-2028 (USD MILLION)	112
TABLE 59	AUTOMOTIVE: CAMERA MODULES MARKET, BY FOCUS TYPE, 2019-2022 (USD MILLION)	112
TABLE 60	AUTOMOTIVE: CAMERA MODULES MARKET, BY FOCUS TYPE, 2023-2028 (USD MILLION)	112
TABLE 61	AUTOMOTIVE: CAMERA MODULES MARKET, BY PIXEL, 2019-2022 (USD MILLION)	112
TABLE 62	AUTOMOTIVE: CAMERA MODULES MARKET, BY PIXEL, 2023-2028 (USD MILLION)	113
FIGURE 47	AUTOMOTIVE MARKET IN EUROPE TO LEAD CAMERA MODULES MARKET IN 2028	113
TABLE 63	AUTOMOTIVE: CAMERA MODULES MARKET, BY REGION, 2019-2022 (USD MILLION)	113
TABLE 64	AUTOMOTIVE: CAMERA MODULES MARKET, BY REGION, 2023-2028 (USD MILLION)	114
12.3.2	BY FUNCTION	114
12.3.2.1	ADAS	114
12.3.2.2	Viewing & Others	115
TABLE 65	AUTOMOTIVE: CAMERA MODULES MARKET, BY FUNCTION, 2019-2022 (USD MILLION)	115
TABLE 66	AUTOMOTIVE: CAMERA MODULES MARKET, BY FUNCTION, 2023-2028 (USD MILLION)	115
12.3.3	BY VIEW TYPE	115
12.3.3.1	Rear view	115
12.3.3.2	Front view and others	115
TABLE 67	AUTOMOTIVE: CAMERA MODULES MARKET, BY VIEW TYPE, 2019-2022 (USD MILLION)	116
TABLE 68	AUTOMOTIVE: CAMERA MODULES MARKET, BY VIEW TYPE, 2023-2028 (USD MILLION)	116
12.3.4	BY VEHICLE TYPE	116
12.3.4.1	Passenger	116
12.3.4.2	Commercial	116
TABLE 69	AUTOMOTIVE: CAMERA MODULES MARKET, BY VEHICLE TYPE, 2019-2022 (USD MILLION)	117
TABLE 70	AUTOMOTIVE: CAMERA MODULES MARKET, BY VEHICLE TYPE, 2023-2028 (USD MILLION)	117
12.4	INDUSTRIAL	117
12.4.1	USEFULNESS IN PRODUCTION MONITORING, MEASUREMENT TASKS, AND QUALITY CONTROL TO FUEL SEGMENTAL GROWTH	117
12.4.2	MACHINE VISION	118
12.4.3	ROBOTIC VISION	118
TABLE 71	INDUSTRIAL: CAMERA MODULES MARKET, BY COMPONENT, 2019-2022 (USD MILLION)	118
TABLE 72	INDUSTRIAL: CAMERA MODULES MARKET, BY COMPONENT, 2023-2028 (USD MILLION)	119

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TABLE 73	INDUSTRIAL: CAMERA MODULES MARKET, BY FOCUS TYPE, 2019-2022 (USD MILLION)	119
TABLE 74	INDUSTRIAL: CAMERA MODULES MARKET, BY FOCUS TYPE, 2023-2028 (USD MILLION)	119
TABLE 75	INDUSTRIAL: CAMERA MODULES MARKET, BY PIXEL, 2019-2022 (USD MILLION)	119
TABLE 76	INDUSTRIAL: CAMERA MODULES MARKET, BY PIXEL, 2023-2028 (USD MILLION)	120
TABLE 77	INDUSTRIAL: CAMERA MODULES MARKET, BY REGION, 2019-2022 (USD MILLION)	120
TABLE 78	INDUSTRIAL: CAMERA MODULES MARKET, BY REGION, 2023-2028 (USD MILLION)	120
12.5	SECURITY & SURVEILLANCE	121
12.5.1	AVAILABILITY OF SPECIALIZED SURVEILLANCE CAMERAS WITH AI-BASED OBJECT DETECTION AND HIGH-RESOLUTION SENSORS TO CONTRIBUTE TO RISING DEMAND	121
12.5.2	PUBLIC PLACES AND INFRASTRUCTURES	121
12.5.3	COMMERCIAL & RESIDENTIAL	122
TABLE 79	SECURITY & SURVEILLANCE: CAMERA MODULES MARKET, BY COMPONENT, 2019-2022 (USD MILLION)	122
TABLE 80	SECURITY & SURVEILLANCE: CAMERA MODULES MARKET, BY COMPONENT, 2023-2028 (USD MILLION)	122
TABLE 81	SECURITY & SURVEILLANCE: CAMERA MODULES MARKET, BY FOCUS TYPE, 2019-2022 (USD MILLION)	122
TABLE 82	SECURITY & SURVEILLANCE: CAMERA MODULES MARKET, BY FOCUS TYPE, 2023-2028 (USD MILLION)	123
TABLE 83	SECURITY & SURVEILLANCE: CAMERA MODULES MARKET, BY PIXEL, 2019-2022 (USD MILLION)	123
TABLE 84	SECURITY & SURVEILLANCE: CAMERA MODULES MARKET, BY PIXEL, 2023-2028 (USD MILLION)	123
TABLE 85	SECURITY & SURVEILLANCE: CAMERA MODULES MARKET, BY REGION, 2019-2022 (USD MILLION)	123
TABLE 86	SECURITY & SURVEILLANCE: CAMERA MODULES MARKET, BY REGION, 2023-2028 (USD MILLION)	124
12.6	OTHER APPLICATIONS	124
12.6.1	HEALTHCARE	124
12.6.1.1	Endoscopy	124
12.6.1.2	Ophthalmology	125
12.6.1.3	Other healthcare applications	125
12.6.2	AEROSPACE & DEFENSE	125
12.6.2.1	Aerial and marine surveillance	125
12.6.2.2	Border surveillance & military operations	126
TABLE 87	OTHER APPLICATIONS: CAMERA MODULES MARKET, BY COMPONENT, 2019-2022 (USD MILLION)	126
TABLE 88	OTHER APPLICATIONS: CAMERA MODULES MARKET, BY COMPONENT, 2023-2028 (USD MILLION)	127
TABLE 89	OTHER APPLICATIONS: CAMERA MODULES MARKET, BY FOCUS TYPE, 2019-2022 (USD MILLION)	127
TABLE 90	OTHER APPLICATIONS: CAMERA MODULES MARKET, BY FOCUS TYPE, 2023-2028 (USD MILLION)	127
TABLE 91	OTHER APPLICATIONS: CAMERA MODULES MARKET, BY PIXEL, 2019-2022 (USD MILLION)	127
TABLE 92	OTHER APPLICATIONS: CAMERA MODULES MARKET, BY PIXEL, 2023-2028 (USD MILLION)	128
TABLE 93	OTHER APPLICATIONS: CAMERA MODULES MARKET, BY REGION, 2019-2022 (USD MILLION)	128
TABLE 94	OTHER APPLICATIONS: CAMERA MODULES MARKET, BY REGION, 2023-2028 (USD MILLION)	128
13	CAMERA MODULES MARKET, BY REGION	129
13.1	INTRODUCTION	130
FIGURE 48	CAMERA MODULES MARKET, BY REGION	130
TABLE 95	CAMERA MODULES MARKET, BY REGION, 2019-2022 (USD MILLION)	130
TABLE 96	CAMERA MODULES MARKET, BY REGION, 2023-2028 (USD MILLION)	131
13.2	NORTH AMERICA	131
13.2.1	IMPACT OF RECESSION ON CAMERA MODULES MARKET IN NORTH AMERICA	131
FIGURE 49	NORTH AMERICA: CAMERA MODULES MARKET SNAPSHOT	132
TABLE 97	NORTH AMERICA: CAMERA MODULES MARKET, BY COUNTRY, 2019-2022 (USD MILLION)	132
TABLE 98	NORTH AMERICA: CAMERA MODULES MARKET, BY COUNTRY, 2023-2028 (USD MILLION)	133
TABLE 99	NORTH AMERICA: CAMERA MODULES MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	133
TABLE 100	NORTH AMERICA: CAMERA MODULES MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	133

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13.2.2	US	134
13.2.2.1	Rising focus on automobile safety and technologically advanced consumer electronics to create market growth opportunities	134
13.2.3	CANADA	134
13.2.3.1	Government mandates to increase safety of vehicles to drive market	134
13.2.4	MEXICO	135
13.2.4.1	Increasing foreign direct investments to provide growth opportunities	135
13.3	EUROPE	135
FIGURE 50	EUROPE: CAMERA MODULES MARKET SNAPSHOT	136
TABLE 101	EUROPE: CAMERA MODULES MARKET, BY COUNTRY, 2019-2022 (USD MILLION)	136
TABLE 102	EUROPE: CAMERA MODULES MARKET, BY COUNTRY, 2023-2028 (USD MILLION)	137
TABLE 103	EUROPE: CAMERA MODULES MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	137
TABLE 104	EUROPE: CAMERA MODULES MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	137
13.3.1	IMPACT OF RECESSION ON CAMERA MODULES MARKET IN EUROPE	137
13.3.2	GERMANY	138
13.3.2.1	Focus on premium automotive manufacturing to provide opportunities for market growth	138
13.3.3	FRANCE	138
13.3.3.1	Increasing demand and popularity of autonomous vehicles to support market expansion	138
13.3.4	UK	139
13.3.4.1	Presence of premium vehicle companies to fuel market growth	139
13.3.5	ITALY	139
13.3.5.1	Growing adoption of digital technologies to drive market	139
13.3.6	REST OF EUROPE	139
13.4	ASIA PACIFIC	140
FIGURE 51	ASIA PACIFIC: CAMERA MODULES MARKET SNAPSHOT	140
TABLE 105	ASIA PACIFIC: CAMERA MODULES MARKET, BY COUNTRY, 2019-2022 (USD MILLION)	141
TABLE 106	ASIA PACIFIC: CAMERA MODULES MARKET, BY COUNTRY, 2023-2028 (USD MILLION)	141
TABLE 107	ASIA PACIFIC: CAMERA MODULES MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	141
TABLE 108	ASIA PACIFIC: CAMERA MODULES MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	142
13.4.1	IMPACT OF RECESSION ON CAMERA MODULES MARKET IN ASIA PACIFIC	142
13.4.2	CHINA	142
13.4.2.1	Elevated demand for automotive and consumer electronics products to boost market	142
13.4.3	JAPAN	143
13.4.3.1	Market dominance in automobiles, robotics, & biotechnology to propel adoption of camera modules	143
13.4.4	SOUTH KOREA	144
13.4.4.1	Presence of leading smartphone and automotive players to drive demand for camera modules	144
13.4.5	REST OF ASIA PACIFIC	144
13.5	ROW	145
TABLE 109	ROW: CAMERA MODULES MARKET, BY REGION, 2019-2022 (USD MILLION)	145
TABLE 110	ROW: CAMERA MODULES MARKET, BY REGION, 2023-2028 (USD MILLION)	145
TABLE 111	ROW: CAMERA MODULES MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	145
TABLE 112	ROW: CAMERA MODULES MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	145
13.5.1	IMPACT OF RECESSION ON CAMERA MODULES MARKET IN ROW	146
13.5.2	SOUTH AMERICA	146
13.5.2.1	Rising use of cameras in vehicles for 360° view and ADAS to support market growth	146
13.5.3	MIDDLE EAST & AFRICA	146
13.5.3.1	Strict security & surveillance regulations to propel adoption of cameras	146

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14	COMPETITIVE LANDSCAPE	147
14.1	OVERVIEW	147
14.2	STRATEGIES ADOPTED BY KEY PLAYERS	147
TABLE 113	OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS IN CAMERA MODULES MARKET	147
14.3	REVENUE ANALYSIS, 2018-2022	148
FIGURE 52	FIVE-YEAR REVENUE ANALYSIS OF TOP THREE PLAYERS IN CAMERA MODULES MARKET	148
14.4	MARKET SHARE ANALYSIS, 2022	149
TABLE 114	CAMERA MODULES MARKET: MARKET SHARE ANALYSIS	149
FIGURE 53	MARKET SHARE OF KEY PLAYERS, 2022	149
14.5	KEY COMPANY EVALUATION MATRIX, 2022	151
14.5.1	STARS	151
14.5.2	EMERGING LEADERS	151
14.5.3	PERVASIVE PLAYERS	151
14.5.4	PARTICIPANTS	151
FIGURE 54	CAMERA MODULES MARKET (GLOBAL): KEY COMPANY EVALUATION MATRIX, 2022	152
14.6	STARTUPS/SMALL AND MEDIUM-SIZED ENTERPRISES (SMES) EVALUATION MATRIX, 2022	152
14.6.1	PROGRESSIVE COMPANIES	152
14.6.2	RESPONSIVE COMPANIES	152
14.6.3	DYNAMIC COMPANIES	153
14.6.4	STARTING BLOCKS	153
FIGURE 55	CAMERA MODULES MARKET (GLOBAL): STARTUPS/SMES EVALUATION MATRIX, 2022	153
14.7	COMPANY FOOTPRINT	154
TABLE 115	OVERALL COMPANY FOOTPRINT	154
TABLE 116	COMPANY FOOTPRINT, BY COMPONENT	155
TABLE 117	COMPANY FOOTPRINT, BY APPLICATION	156
TABLE 118	COMPANY FOOTPRINT, BY REGION	157
14.8	COMPETITIVE BENCHMARKING	158
TABLE 119	CAMERA MODULES MARKET: LIST OF KEY STARTUPS/SMES	158
14.9	COMPETITIVE SCENARIOS AND TRENDS	159
TABLE 120	CAMERA MODULES MARKET: PRODUCT LAUNCHES, 2021-2023	159
TABLE 121	CAMERA MODULES MARKET: DEALS, 2021-2023	160
TABLE 122	CAMERA MODULES MARKET: OTHERS, 2021-2023	160
?		
15	COMPANY PROFILES	161
	(Business overview, Product/Solution/Service offered, Recent developments & MnM View)*	
15.1	KEY PLAYERS	161
15.1.1	LG INNOTEK	161
TABLE 123	LG INNOTEK: COMPANY OVERVIEW	161
FIGURE 56	LG INNOTEK: COMPANY SNAPSHOT	162
TABLE 124	LG INNOTEK: PRODUCT/SOLUTION/SERVICE OFFERINGS	162
TABLE 125	LG INNOTEK: PRODUCT LAUNCHES	163
TABLE 126	LG INNOTEK: DEALS	164
15.1.2	OFILM	165
TABLE 127	OFILM: COMPANY OVERVIEW	165
TABLE 128	OFILM: PRODUCT/SOLUTION/SERVICE OFFERINGS	166
15.1.3	SUNNY OPTICAL TECHNOLOGY (GROUP) COMPANY LIMITED	167
TABLE 129	SUNNY OPTICAL TECHNOLOGY (GROUP) COMPANY LIMITED: COMPANY OVERVIEW	167

FIGURE 57	SUNNY OPTICAL TECHNOLOGY (GROUP) COMPANY LIMITED: COMPANY SNAPSHOT	168
TABLE 130	SUNNY OPTICAL TECHNOLOGY (GROUP) COMPANY LIMITED: PRODUCT/SOLUTION/SERVICE OFFERINGS	169
15.1.4	HON HAI PRECISION INDUSTRY CO., LTD.	170
TABLE 131	HON HAI PRECISION INDUSTRY CO., LTD.: COMPANY OVERVIEW	170
FIGURE 58	HON HAI PRECISION INDUSTRY CO., LTD.: COMPANY SNAPSHOT	171
TABLE 132	HON HAI PRECISION INDUSTRY CO., LTD.: PRODUCT/SOLUTION/SERVICE OFFERINGS	171
TABLE 133	HON HAI PRECISION INDUSTRY CO., LTD.: DEALS	172
15.1.5	SAMSUNG ELECTRO-MECHANICS	173
TABLE 134	SAMSUNG ELECTRO-MECHANICS: COMPANY OVERVIEW	173
FIGURE 59	SAMSUNG ELECTRO-MECHANICS: COMPANY SNAPSHOT	174
TABLE 135	SAMSUNG ELECTRO-MECHANICS: PRODUCT/SOLUTION/SERVICE OFFERINGS	174
TABLE 136	SAMSUNG ELECTRO-MECHANICS: PRODUCT LAUNCHES	175
15.1.6	CHICONY ELECTRONICS CO., LTD	176
TABLE 137	CHICONY ELECTRONICS CO., LTD: COMPANY OVERVIEW	176
FIGURE 60	CHICONY ELECTRONICS CO., LTD: COMPANY SNAPSHOT	177
TABLE 138	CHICONY ELECTRONICS CO., LTD: PRODUCT/SOLUTION/SERVICE OFFERINGS	177
15.1.7	Q TECHNOLOGY (GROUP) COMPANY LIMITED	178
TABLE 139	Q TECHNOLOGY (GROUP) COMPANY LIMITED: COMPANY OVERVIEW	178
TABLE 140	Q TECHNOLOGY (GROUP) COMPANY LIMITED: PRODUCT/SOLUTION/SERVICE OFFERINGS	178
15.1.8	AMS-OSRAM AG	179
TABLE 141	AMS-OSRAM AG: COMPANY OVERVIEW	179
FIGURE 61	AMS-OSRAM AG: COMPANY SNAPSHOT	180
TABLE 142	AMS-OSRAM AG: PRODUCT/SOLUTION/SERVICE OFFERINGS	180
TABLE 143	AMS-OSRAM AG: PRODUCT LAUNCHES	181
15.1.9	MCNEX CO., LTD	182
TABLE 144	MCNEX CO., LTD: COMPANY OVERVIEW	182
FIGURE 62	MCNEX CO., LTD: COMPANY SNAPSHOT	182
TABLE 145	MCNEX CO., LTD: PRODUCT/SOLUTION/SERVICE OFFERINGS	183
TABLE 146	MCNEX CO., LTD: PRODUCT LAUNCHES	183
15.1.10	TRULY INTERNATIONAL HOLDINGS LIMITED	184
TABLE 147	TRULY INTERNATIONAL HOLDINGS LIMITED: COMPANY OVERVIEW	184
FIGURE 63	TRULY INTERNATIONAL HOLDINGS LIMITED: COMPANY SNAPSHOT	185
TABLE 148	TRULY INTERNATIONAL HOLDINGS LIMITED: PRODUCT/SOLUTION/SERVICE OFFERINGS	185
*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	186
15.2.1	CAMMSYS. CORP	186
TABLE 149	CAMMSYS. CORP: COMPANY OVERVIEW	186
15.2.2	INTEL CORPORATION	187
TABLE 150	INTEL CORPORATION: COMPANY OVERVIEW	187
15.2.3	PRIMAX ELECTRONICS LTD.	188
TABLE 151	PRIMAX ELECTRONICS LTD.: COMPANY OVERVIEW	188
15.2.4	SONY CORPORATION	189
TABLE 152	SONY CORPORATION: COMPANY OVERVIEW	189
15.2.5	SHENZHEN CHUANGMU TECHNOLOGY CO., LTD	190
TABLE 153	SHENZHEN CM TECHNOLOGY CO., LTD: COMPANY OVERVIEW	190
15.2.6	JENOPTIK	191

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TABLE 154	JENOPTIK: COMPANY OVERVIEW	191
15.2.7	LEOPARD IMAGING INC.	192
TABLE 155	LEOPARD IMAGING INC.: COMPANY OVERVIEW	192
15.2.8	LUXVISIONS-INNO	193
TABLE 156	LUXVISIONS-INNO: COMPANY OVERVIEW	193
15.2.9	HAESUNG OPTICS	194
TABLE 157	HAESUNG OPTICS: COMPANY OVERVIEW	194
15.2.10	COWELL	195
TABLE 158	COWELL: COMPANY OVERVIEW	195
15.2.11	PARTRON	195
TABLE 159	PARTRON: COMPANY OVERVIEW	195
15.2.12	OMNIVISION	196
TABLE 160	OMNIVISION: COMPANY OVERVIEW	196
15.2.13	KYOCERA CORPORATION	197
TABLE 161	KYOCERA CORPORATION: COMPANY OVERVIEW	197
15.2.14	E-CON SYSTEMS	198
TABLE 162	E-CON SYSTEMS: COMPANY OVERVIEW	198
15.2.15	SYNTEC OPTICS	198
TABLE 163	SYNTEC OPTICS: COMPANY OVERVIEW	198
15.2.16	NAMUGA	199
TABLE 164	NAMUGA: COMPANY OVERVIEW	199
15.2.17	AAC TECHNOLOGIES	199
TABLE 165	AAC TECHNOLOGIES: COMPANY OVERVIEW	199
16	APPENDIX	200
16.1	DISCUSSION GUIDE	200
16.2	KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL	203
16.3	CUSTOMIZATION OPTIONS	205
16.4	RELATED REPORTS	205
16.5	AUTHOR DETAILS	206

Camera Modules Market by Component (Image Sensor, Lens Module, Voice Coil Motor, Filters), Interface (Serial, Parallel), Pixel (>7 MP, 8-13 MP, <13 MP), Focus (Autofocus, Fixed), Interface (Serial, Parallel), Process and Region - Global Forecast to 2028

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