

Asia-Pacific IR Detector Market by Technology (Mercury Cadmium Telluride (MCT), Indium Gallium Arsenide (InGaAs), Pyroelectric, Thermopiles, and Microbolometers), by Spectral Range (SWIR, MWIR, and LWIR), and by Application (People and Motion Sensing, Temperature Measurement, Fire and Gas Detection, Spectroscopy, Biomedical Imaging, and Smart Homes) Forecasts till 2019

<https://marketpublishers.com/r/AE5DB11ED28EN.html>

Date: April 2015

Pages: 90

Price: US\$ 2,650.00 (Single User License)

ID: AE5DB11ED28EN

Abstracts

The Asia-Pacific IR detector market is estimated to grow with a CAGR of 13.1% during the forecast period. The growth of the Asia-Pacific IR detector market is driven by factors such as rising security concerns and the growth in the demand of "contact-less temperature measurement" and "motion sensing" in consumer electronics application. In the overall IR detector market, the people and motion sensing application is expected to be the highest revenue generator and lead the market from the demand side

In this report, the Asia-Pacific IR detector market has been broadly classified by technology such as mercury cadmium telluride (MCT), indium gallium arsenide (InGaAs), pyroelectric, thermopiles, and microbolometers.

The IR detector technologies enable the systems that help interact with the outer world without touching it. It mainly detects the radiations from the objects around it. This report gives a detailed analysis of these detection technologies, and their broad existing and emerging markets. The various application segments for the IR detector market in the Asia-Pacific region are people and motion sensing, temperature measurement, fire and gas detection, spectroscopy, biomedical imaging, and smart homes.

There are a number of players in Asia-Pacific's IR detector market which makes it competitive. As of 2014, the Asia-Pacific IR detector market had top market players such as Murata Manufacturing (Japan), Hamamatsu Photonics (Japan), FLIR (U.S.), ULIS (France), Raytheon (U.S.), Melexis NV (Belgium), Texas Instruments (U.S.), and OMRON (Japan). Currently, two companies dominate the IR detector market, namely Excelitas (U.S.) & Nicera (Japan), with both companies accounting for a majority of the market share.

Customization Options:

Along with the market data, you can also customize the MMM assessments that are in accordance to your company's specific needs. Customize to get comprehensive industry standard and deep-dive analysis of the following parameters:

Product Analysis:

- Usage pattern (in-depth trend analysis) of products (segment-wise)

- Product matrix, which gives a detailed comparison of product portfolio of each company mapped at country and sub-segment level

- End-user adoption rate analysis of the products (segment-wise and country-wise)

- Comprehensive coverage of product approvals, pipeline products, and product recalls

Data from Manufacturing Firms:

- Fast turn-around analysis of manufacturing firms' responses to recent market events and trends

- Various firms' opinions about different applications where IR detectors can be used

- Qualitative inputs on macro-economic indicators, mergers & acquisitions in each geography

Comparative Analysis:

Market data and key developments of top companies

Shipment/Volume Data:

Tracking the value of components shipped annually in each geography

Trend Analysis of Application:

Application matrix, which gives a detailed comparison of application portfolio of each company, mapped in each geography

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION AND SCOPE OF THE STUDY
- 1.3 MARKETS COVERED
- 1.4 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 INTEGRATED ECOSYSTEM OF ASIA-PACIFIC IR DETECTOR MARKET
- 2.2 ARRIVING AT MARKET SIZE OF ASIA-PACIFIC IR DETECTOR MARKET
- 2.3 TOP-DOWN APPROACH
- 2.4 BOTTOM-UP APPROACH
- 2.5 DEMAND SIDE APPROACH
- 2.6 MACROINDICATORS
 - 2.6.1 R&D EXPENDITURE
- 2.7 ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 MARKET OVERVIEW

- 4.1 INTRODUCTION
- 4.2 ASIA-PACIFIC IR DETECTOR MARKET: COMPARISON WITH PARENT MARKET
- 4.3 MARKET DRIVERS AND INHIBITORS
- 4.4 DEMAND SIDE ANALYSIS
- 4.5 KEY MARKET DYNAMICS

5 ASIA-PACIFIC INFRARED DETECTOR MARKET, BY TECHNOLOGY

- 5.1 INTRODUCTION
- 5.2 ASIA-PACIFIC IR DETECTOR MARKET, BY TECHNOLOGY COMPARISON WITH PARENT MARKET
- 5.3 MERCURY CADMIUM TELLURIDE (MCT)
 - 5.3.1 ASIA-PACIFIC MCT MARKET, BY GEOGRAPHY, 2013 – 2019 (USD MN)
- 5.4 INDIUM GALLIUM ARSENIDE (INGAAS)
- 5.5 PYROELECTRIC

5.5.1 ASIA-PACIFIC PYROELECTRIC MARKET, BY GEOGRAPHY, 2013 – 2019
(USD MN)

5.6 THERMOPILES

5.6.1 ASIA-PACIFIC THERMOPILE MARKET, BY GEOGRAPHY, 2013 – 2019 (USD
MN)

5.7 MICROBOLOMETERS

5.7.1 ASIA-PACIFIC MICROBOLOMETER MARKET, BY GEOGRAPHY, 2013 – 2019
(USD MN)

6 ASIA-PACIFIC IR DETECTOR MARKET, BY SPECTRAL RANGE

6.1 INTRODUCTION

6.2 ASIA-PACIFIC IR DETECTOR MARKET, BY TECHNOLOGY COMPARISON WITH
PARENT MARKET

6.3 SHORT-WAVE INFRARED (SWIR)

6.3.1 ASIA-PACIFIC SWIR MARKET, SPECTRAL RANGE BY GEOGRAPHY, 2013 –
2019 (USD MN)

6.4 MID-WAVE INFRARED (MWIR)

6.4.1 ASIA-PACIFIC MWIR MARKET, SPECTRAL RANGE, BY GEOGRAPHY, 2013 –
2019 (USD MN)

6.5 LONG-WAVE INFRARED (LWIR)

6.5.1 6.4.1 ASIA-PACIFIC LWIR MARKET, SPECTRAL RANGE, BY GEOGRAPHY,
2013 – 2019 (USD MN)

7 ASIA-PACIFIC IR DETECTOR MARKET, BY APPLICATION

7.1 INTRODUCTION

7.2 MARKET OVERVIEW

7.3 PEOPLE AND MOTION SENSING

7.3.1 PEOPLE AND MOTION SENSING APPLICATION, BY GEOGRAPHY, 2013 –
2019 (USD MN)

7.4 TEMPERATURE MEASUREMENT

7.4.1 TEMPERATURE MEASUREMENT APPLICATION, BY GEOGRAPHY, 2013 –
2019 (USD MN)

7.5 FIRE AND GAS DETECTION

7.5.1 FIRE AND GAS DETECTION APPLICATION, BY GEOGRAPHY, 2013 – 2019
(USD MN)

7.6 SPECTROSCOPY

7.6.1 SPECTROSCOPY APPLICATION, BY GEOGRAPHY, 2013 – 2019 (USD MN)

7.7 BIOMEDICAL IMAGING

7.7.1 BIOMEDICAL IMAGING APPLICATION, BY GEOGRAPHY, 2013 – 2019 (USD MN)

7.8 SMART HOMES

7.8.1 SMART HOMES APPLICATION, BY GEOGRAPHY, 2013 – 2019 (USD MN)

8 ASIA-PACIFIC IR DETECTOR MARKET, BY GEOGRAPHY

8.1 INTRODUCTION

8.2 MARKET OVERVIEW

8.3 JAPAN

8.3.1 JAPAN IR DETECTOR MARKET, BY APPLICATION, 2013 – 2019 (USD MN)

8.4 CHINA

8.4.1 CHINA IR DETECTOR MARKET, BY APPLICATION, 2013 – 2019 (USD MN)

8.5 TAIWAN

8.5.1 TAIWAN IR DETECTOR MARKET, BY APPLICATION, 2013 – 2019 (USD MN)

8.6 REST OF ASIA-PACIFIC

8.6.1 REST OF APAC IR DETECTOR MARKET, BY APPLICATION, 2013 – 2019 (USD MN)

9 COMPETITIVE LANDSCAPE

9.1 APAC IR DETECTOR MARKET: COMPANY SHARE ANALYSIS

9.2 COMPANY PRESENCE IN APAC IR DETECTOR MARKET, BY TECHNOLOGY

9.3 AGREEMENTS, NEW BUSINESSES, AND CONTRACTS

10 COMPANY PROFILES

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

10.1 OMRON CORPORATION

10.2 MURATA MANUFACTURING CO., LTD.

10.3 EXCELITAS TECHNOLOGIES CORP.

10.4 MELEXIS NV.

10.5 HAMAMATSU PHOTONICS K.K

*Details on overview, financials, product & services, strategy, and developments might not be captured in case of unlisted company

11 APPENDIX

11.1 CUSTOMIZATION OPTION

11.1.1 PRODUCT PORTFOLIO ANALYSIS

11.1.2 COUNTRY LEVEL DATA ANALYSIS

11.1.3 PRODUCT COMPARISON OF VARIOUS COMPETITORS

11.2 RELATED REPORTS

11.3 REAL-TIME SNAPSHOTS

11.3.1 SNAPSHOT 1: ECOSYSTEM

11.3.2 SNAPSHOT 2: QUANTITATIVE CHART

11.3.3 SNAPSHOT 3: HEAT MAP, COMPANIES

List Of Tables

LIST OF TABLES

TABLE 1 ASIA-PACIFIC IR DETECTOR MARKET SIZE, 2013 – 2019 (USD MN)

TABLE 2 APAC: APPLICATION MARKET, 2014 (USD MN)

TABLE 3 R&D EXPENDITURE VALUE, 2012 & 2013 (USD MN)

TABLE 4 ASIA-PACIFIC IR DETECTOR MARKET: COMPARISON WITH PARENT MARKET, 2013 – 2019 (USD MN)

TABLE 5 ASIA-PACIFIC IR DETECTOR MARKET: DRIVERS AND INHIBITORS

TABLE 6 ASIA-PACIFIC IR DETECTOR MARKET: COMPARISON WITH APPLICATION MARKETS, 2013 – 2019 (USD MN)

TABLE 7 ASIA-PACIFIC IR DETECTOR TECHNOLOGY MARKET, 2013 – 2019 (USD MN)

TABLE 8 ASIA-PACIFIC IR DETECTOR MARKET, BY TECHNOLOGY, 2013 – 2019 (USD MN)

TABLE 9 ASIA-PACIFIC IR DETECTOR MARKET: TYPE COMPARISON WITH PARENT MARKET, 2013 – 2019 (USD MN)

TABLE 10 ASIA-PACIFIC MCT MARKET, BY GEOGRAPHY, 2013 – 2019 (USD MN)

TABLE 11 ASIA-PACIFIC INGAAS MARKET, BY GEOGRAPHY, 2013 – 2019 (USD MN)

TABLE 12 ASIA-PACIFIC INGAAS MARKET, BY GEOGRAPHY, 2013 – 2019 (USD MN)

TABLE 13 ASIA-PACIFIC PYROELECTRIC MARKET, BY GEOGRAPHY, 2013 – 2019 (USD MN)

TABLE 14 ASIA-PACIFIC THERMOPILE MARKET, BY GEOGRAPHY, 2013 – 2019 (USD MN)

TABLE 15 ASIA-PACIFIC MICROBOLOMETER MARKET, BY GEOGRAPHY, 2013 – 2019 (USD MN)

TABLE 16 ASIA-PACIFIC IR DETECTOR MARKET, BY SPECTRAL RANGE, 2013 – 2019 (USD MN)

TABLE 17 ASIA-PACIFIC IR DETECTOR MARKET: TYPE COMPARISON WITH PARENT MARKET, 2013 – 2019 (USD MN)

TABLE 18 ASIA-PACIFIC SWIR MARKET, BY GEOGRAPHY, 2013 – 2019 (USD MN)

TABLE 19 ASIA-PACIFIC MWIR MARKET IN IR DETECTOR, BY GEOGRAPHY, 2013 – 2019 (USD MN)

TABLE 20 ASIA-PACIFIC LWIR MARKET IN IR DETECTOR, BY GEOGRAPHY, 2013 – 2019 (USD MN)

TABLE 21 ASIA-PACIFIC IR DETECTOR MARKET, BY APPLICATION, 2013 – 2019

(USD MN)

TABLE 22 ASIA-PACIFIC IR DETECTOR MARKET IN PEOPLE AND MOTION SENSING APPLICATION, BY GEOGRAPHY, 2013 – 2019 (USD MN)

TABLE 23 ASIA-PACIFIC IR DETECTOR MARKET IN TEMPERATURE MEASUREMENT APPLICATION, BY GEOGRAPHY, 2013 – 2019 (USD MN)

TABLE 24 ASIA-PACIFIC IR DETECTOR MARKET IN FIRE AND GAS DETECTION APPLICATION, BY GEOGRAPHY, 2013 – 2019 (USD MN)

TABLE 25 ASIA-PACIFIC IR DETECTOR MARKET IN SPECTROSCOPY APPLICATION, BY GEOGRAPHY, 2013 – 2019 (USD MN)

TABLE 26 ASIA-PACIFIC IR DETECTOR MARKET IN BIOMEDICAL IMAGING APPLICATION, BY GEOGRAPHY, 2013 – 2019 (USD MN)

TABLE 27 ASIA-PACIFIC IR DETECTOR MARKET IN SMART HOMES APPLICATION, BY GEOGRAPHY, 2013 – 2019 (USD MN)

TABLE 28 APAC IR DETECTOR MARKET, BY GEOGRAPHY, 2013 – 2019 (USD MN)

TABLE 29 JAPAN IR DETECTOR MARKET, BY APPLICATION, 2013 – 2019 (USD MN)

TABLE 30 CHINA IR DETECTOR MARKET, BY APPLICATION, 2013 – 2019 (USD MN)

TABLE 31 TAIWAN IR DETECTOR MARKET, BY APPLICATION, 2013 – 2019 (USD MN)

TABLE 32 REST OF APAC IR DETECTOR MARKET, BY APPLICATION, 2013 – 2019 (USD MN)

TABLE 33 APAC IR DETECTOR MARKET: COMPANY SHARE ANALYSIS, 2014 (%)

TABLE 34 AGREEMENTS, NEW BUSINESSES, AND CONTRACTS

TABLE 35 OMRON: MARKET REVENUE BY BUSINESS SEGMENT, 2009 – 2013 (USD MN)

TABLE 36 OMRON: KEY OPERATING DATA, 2009 – 2013 (USD MN)

TABLE 37 RECENT DEVELOPMENTS

TABLE 38 MURATA MANUFACTURING CO., LTD.: MARKET REVENUE BY PRODUCT, 2010 – 2014 (USD MN)

TABLE 39 MARKET REVENUE BY BUSINESS SEGMENT, 2010 – 2014 (USD MN)

TABLE 40 MARKET REVENUE BY GEOGRAPHY, 2009 – 2013 (USD MN)

TABLE 41 RECENT DEVELOPMENTS

TABLE 42 RECENT DEVELOPMENTS

TABLE 43 MELEXIS NV., MARKET REVENUE, BY SEGMENT, 2009 – 2013 (USD MN)

TABLE 44 MELEXIS NV., MARKET REVENUE, BY GEOGRAPHY, 2009 – 2013 (USD MN)

TABLE 45 RECENT DEVELOPMENTS

TABLE 46 HAMAMATSU, MARKET REVENUE, 2010 – 2014 (USD MN)

TABLE 47 RECENT DEVELOPMENTS

List Of Figures

LIST OF FIGURES

- FIGURE 1 ASIA-PACIFIC IR DETECTOR MARKET: SEGMENTATION AND COVERAGE
- FIGURE 1 ASIA-PACIFIC IR DETECTOR MARKET: INTEGRATED ECOSYSTEM
- FIGURE 2 RESEARCH METHODOLOGY
- FIGURE 3 TOP-DOWN APPROACH
- FIGURE 4 BOTTOM-UP APPROACH
- FIGURE 5 DEMAND SIDE APPROACH
- FIGURE 6 MACROINDICATOR-BASED APPROACH
- FIGURE 7 ASIA PACIFI IR DETECTOR MARKET SHARE SNAPSHOT, 2014
- FIGURE 8 DEMAND SIDE ANALYSIS
- FIGURE 9 ASIA-PACIFIC IR DETECTOR TECHNOLOGY MARKET, 2014 & 2019 (USD MN)
- FIGURE 10 ASIA-PACIFIC IR DETECTOR MARKET, BY TECHNOLOGY, 2014 & 2019 (USD MN)
- FIGURE 11 ASIA-PACIFIC IR DETECTOR MARKET: TECHNOLOGY COMPARISON WITH PARENT MARKET, 2013 – 2019 (USD MN)
- FIGURE 12 ASIA-PACIFIC MCT MARKET, BY GEOGRAPHY, 2013 – 2019 (USD MN)
- FIGURE 13 ASIA-PACIFIC INGAAS MARKET, BY GEOGRAPHY, 2013 – 2019 (USD MN)
- FIGURE 14 ASIA-PACIFIC PYROELECTRIC MARKET, BY GEOGRAPHY, 2013 – 2019 (USD MN)
- FIGURE 15 ASIA-PACIFIC THERMOPILE MARKET, BY GEOGRAPHY, 2013 – 2019 (USD MN)
- FIGURE 16 ASIA-PACIFIC MICROBOLOMETER MARKET, BY GEOGRAPHY, 2013 – 2019 (USD MN)
- FIGURE 17 ASIA-PACIFIC IR DETECTOR MARKET: TECHNOLOGY COMPARISON WITH PARENT MARKET, 2014 & 2019 (USD MN)
- FIGURE 18 ASIA-PACIFIC IR DETECTOR MARKET: TECHNOLOGY COMPARISON WITH PARENT MARKET, 2013 – 2019 (USD MN)
- FIGURE 19 ASIA-PACIFIC SWIR MARKET, SPECTRAL RANGE BY GEOGRAPHY, 2013 – 2019 (USD MN)
- FIGURE 20 ASIA-PACIFIC MWIR MARKET, BY SPECTRAL RANGE, BY GEOGRAPHY, 2013 – 2019 (USD MN)
- FIGURE 21 ASIA-PACIFIC LWIR MARKET, BY SPECTRAL RANGE, BY GEOGRAPHY, 2013 – 2019 (USD MN)

FIGURE 22 ASIA-PACIFIC IR DETECTOR MARKET, BY APPLICATION, 2014 & 2019 (USD MN)

FIGURE 23 ASIA-PACIFIC IR DETECTOR MARKET IN PEOPLE AND MOTION SENSING APPLICATION, BY GEOGRAPHY, 2013 – 2019 (USD MN)

FIGURE 24 ASIA-PACIFIC IR DETECTOR MARKET IN TEMPERATURE MEASUREMENT APPLICATION, BY GEOGRAPHY, 2013 – 2019 (USD MN)

FIGURE 25 ASIA-PACIFIC IR DETECTOR MARKET IN FIRE AND GAS DETECTION APPLICATION, BY GEOGRAPHY, 2013 – 2019 (USD MN)

FIGURE 26 ASIA-PACIFIC IR DETECTOR MARKET IN SPECTROSCOPY APPLICATION, BY GEOGRAPHY, 2013 – 2019 (USD MN)

FIGURE 27 ASIA-PACIFIC IR DETECTOR MARKET IN BIOMEDICAL IMAGING APPLICATION, BY GEOGRAPHY, 2013 – 2019 (USD MN)

FIGURE 28 ASIA-PACIFIC IR DETECTOR MARKET IN SMART HOMES APPLICATION, BY GEOGRAPHY, 2013 – 2019 (USD MN)

FIGURE 29 MARKET OVERVIEW

FIGURE 30 JAPAN IR DETECTOR MARKET OVERVIEW, 2014 & 2019 (%)

FIGURE 31 JAPAN IR DETECTOR MARKET, BY APPLICATION, 2013 – 2019 (USD MILLION)

FIGURE 32 JAPAN IR DETECTOR MARKET, BY APPLICATION SNAPSHOT

FIGURE 33 CHINA IR DETECTOR MARKET OVERVIEW, 2014 & 2019 (%)

FIGURE 34 CHINA IR DETECTOR MARKET, BY APPLICATION, 2013 – 2019 (USD MN)

FIGURE 35 CHINA IR DETECTOR MARKET, BY APPLICATION SNAPSHOT

FIGURE 36 TAIWAN IR DETECTOR MARKET OVERVIEW, 2014 & 2019 (%)

FIGURE 37 TAIWAN IR DETECTOR MARKET, BY APPLICATION, 2013 – 2019 (USD MN)

FIGURE 38 TAIWAN IR DETECTOR MARKET, BY APPLICATION SNAPSHOT

FIGURE 39 REST OF APAC IR DETECTOR MARKET OVERVIEW, 2014 & 2019 (USD MN)

FIGURE 40 REST OF APAC IR DETECTOR MARKET, BY APPLICATION, 2013 – 2019 (USD MN)

FIGURE 41 REST OF APAC IR DETECTOR MARKET, BY APPLICATION SNAPSHOT

FIGURE 42 APAC IR DETECTOR MARKET: COMPANY SHARE ANALYSIS, 2014 (%)

FIGURE 43 IR DETECTOR: PRODUCT COVERAGE, BY TECHNOLOGY, 2014

I would like to order

Product name: Asia-Pacific IR Detector Market by Technology (Mercury Cadmium Telluride (MCT), Indium Gallium Arsenide (InGaAs), Pyroelectric, Thermopiles, and Microbolometers), by Spectral Range (SWIR, MWIR, and LWIR), and by Application (People and Motion Sensing, Temperature Measurement, Fire and Gas Detection, Spectroscopy, Biomedical Imaging, and Smart Homes) Forecasts till 2019

Product link: <https://marketpublishers.com/r/AE5DB11ED28EN.html>

Price: US\$ 2,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AE5DB11ED28EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970