

Global Mid-IR QCL System Market Research Report 2016

https://marketpublishers.com/r/G6D337D37CCEN.html

Date: September 2016 Pages: 122 Price: US\$ 2,900.00 (Single User License) ID: G6D337D37CCEN

Abstracts

Notes:

Production, means the output of Mid-IR QCL System

Revenue, means the sales value of Mid-IR QCL System

This report studies Mid-IR QCL System in Global market, especially in North America, Europe, China, Japan, Southeast Asia and India, focuses on top manufacturers in global market, with production, price, revenue and market share for each manufacturer, covering

FLIR IP Control Daylight Solutions SenseAir Acuity Brands Inc. Structured Materials Industries Block Engineering Sofradir



Ekips Technologies

JonDeTech AB

Micropelt

EnOcean

Agiltron / SensArrayInfrared

Mirthe

Emerson / Cascade Technologies

Bosh

Thorlabs/ Maxion

VIASPACE Ionfinity

Power Technology

M Squared

Thermo Fischer Scientific / NovaWave Technologies

GE

PNNL

HAMAMATSU PHOTONICS

AdTech Optics

Opto Solutions

Sentinel Photonics



Newport Corporation /ILX Lightwave

Aerocrine

Telops

Market Segment by Regions, this report splits Global into several key Regions, with production, consumption, revenue, market share and growth rate of Mid-IR QCL System in these regions, from 2011 to 2021 (forecast), like

North America Europe China Japan Southeast Asia

Split by product type, with production, revenue, price, market share and growth rate of each type, can be divided into

Type I

Type II

Type III

Split by application, this report focuses on consumption, market share and growth rate of Mid-IR QCL System in each application, can be divided into

Application 1



Application 2

Application 3



Contents

Global Mid-IR QCL System Market Research Report 2016

1 MID-IR QCL SYSTEM MARKET OVERVIEW

- 1.1 Product Overview and Scope of Mid-IR QCL System
- 1.2 Mid-IR QCL System Segment by Type
- 1.2.1 Global Production Market Share of Mid-IR QCL System by Type in 2015
- 1.2.2 Type I
- 1.2.3 Type II
- 1.2.4 Type III
- 1.3 Mid-IR QCL System Segment by Application
- 1.3.1 Mid-IR QCL System Consumption Market Share by Application in 2015
- 1.3.2 Application
- 1.3.3 Application
- 1.3.4 Application
- 1.4 Mid-IR QCL System Market by Region
 - 1.4.1 North America Status and Prospect (2011-2021)
 - 1.4.2 Europe Status and Prospect (2011-2021)
 - 1.4.3 China Status and Prospect (2011-2021)
 - 1.4.4 Japan Status and Prospect (2011-2021)
- 1.4.5 Southeast Asia Status and Prospect (2011-2021)
- 1.4.6 India Status and Prospect (2011-2021)
- 1.5 Global Market Size (Value) of Mid-IR QCL System (2011-2021)

2 GLOBAL MID-IR QCL SYSTEM MARKET COMPETITION BY MANUFACTURERS

2.1 Global Mid-IR QCL System Production and Share by Manufacturers (2015 and 2016)

2.2 Global Mid-IR QCL System Revenue and Share by Manufacturers (2015 and 2016)

2.3 Global Mid-IR QCL System Average Price by Manufacturers (2015 and 2016)

2.4 Manufacturers Mid-IR QCL System Manufacturing Base Distribution, Sales Area and Product Type

- 2.5 Mid-IR QCL System Market Competitive Situation and Trends
 - 2.5.1 Mid-IR QCL System Market Concentration Rate
 - 2.5.2 Mid-IR QCL System Market Share of Top 3 and Top 5 Manufacturers
 - 2.5.3 Mergers & Acquisitions, Expansion



3 GLOBAL MID-IR QCL SYSTEM PRODUCTION, REVENUE (VALUE) BY REGION (2011-2016)

3.1 Global Mid-IR QCL System Production by Region (2011-2016)

3.2 Global Mid-IR QCL System Production Market Share by Region (2011-2016)

3.3 Global Mid-IR QCL System Revenue (Value) and Market Share by Region (2011-2016)

3.4 Global Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

3.5 North America Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

3.6 Europe Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

3.7 China Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

3.8 Japan Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

3.9 Southeast Asia Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

3.10 India Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

4 GLOBAL MID-IR QCL SYSTEM SUPPLY (PRODUCTION), CONSUMPTION, EXPORT, IMPORT BY REGIONS (2011-2016)

4.1 Global Mid-IR QCL System Consumption by Regions (2011-2016)

4.2 North America Mid-IR QCL System Production, Consumption, Export, Import by Regions (2011-2016)

4.3 Europe Mid-IR QCL System Production, Consumption, Export, Import by Regions (2011-2016)

4.4 China Mid-IR QCL System Production, Consumption, Export, Import by Regions (2011-2016)

4.5 Japan Mid-IR QCL System Production, Consumption, Export, Import by Regions (2011-2016)

4.6 Southeast Asia Mid-IR QCL System Production, Consumption, Export, Import by Regions (2011-2016)

4.7 India Mid-IR QCL System Production, Consumption, Export, Import by Regions (2011-2016)



5 GLOBAL MID-IR QCL SYSTEM PRODUCTION, REVENUE (VALUE), PRICE TREND BY TYPE

5.1 Global Mid-IR QCL System Production and Market Share by Type (2011-2016)

- 5.2 Global Mid-IR QCL System Revenue and Market Share by Type (2011-2016)
- 5.3 Global Mid-IR QCL System Price by Type (2011-2016)
- 5.4 Global Mid-IR QCL System Production Growth by Type (2011-2016)

6 GLOBAL MID-IR QCL SYSTEM MARKET ANALYSIS BY APPLICATION

6.1 Global Mid-IR QCL System Consumption and Market Share by Application (2011-2016)

6.2 Global Mid-IR QCL System Consumption Growth Rate by Application (2011-2016)

- 6.3 Market Drivers and Opportunities
 - 6.3.1 Potential Applications
 - 6.3.2 Emerging Markets/Countries

7 GLOBAL MID-IR QCL SYSTEM MANUFACTURERS PROFILES/ANALYSIS

7.1 FLIR

7.1.1 Company Basic Information, Manufacturing Base and Its Competitors

7.1.2 Mid-IR QCL System Product Type, Application and Specification

7.1.2.1 Type I

7.1.2.2 Type II

7.1.3 FLIR Mid-IR QCL System Production, Revenue, Price and Gross Margin (2015 and 2016)

7.1.4 Main Business/Business Overview

7.2 IP Control

- 7.2.1 Company Basic Information, Manufacturing Base and Its Competitors
- 7.2.2 Mid-IR QCL System Product Type, Application and Specification
 - 7.2.2.1 Type I
 - 7.2.2.2 Type II

7.2.3 IP Control Mid-IR QCL System Production, Revenue, Price and Gross Margin (2015 and 2016)

7.2.4 Main Business/Business Overview

7.3 Daylight Solutions

- 7.3.1 Company Basic Information, Manufacturing Base and Its Competitors
- 7.3.2 Mid-IR QCL System Product Type, Application and Specification
- 7.3.2.1 Type I



7.3.2.2 Type II

7.3.3 Daylight Solutions Mid-IR QCL System Production, Revenue, Price and Gross Margin (2015 and 2016)

7.3.4 Main Business/Business Overview

7.4 SenseAir

7.4.1 Company Basic Information, Manufacturing Base and Its Competitors

7.4.2 Mid-IR QCL System Product Type, Application and Specification

7.4.2.1 Type I

7.4.2.2 Type II

7.4.3 SenseAir Mid-IR QCL System Production, Revenue, Price and Gross Margin (2015 and 2016)

7.4.4 Main Business/Business Overview

7.5 Acuity Brands Inc.

7.5.1 Company Basic Information, Manufacturing Base and Its Competitors

7.5.2 Mid-IR QCL System Product Type, Application and Specification

7.5.2.1 Type I

7.5.2.2 Type II

7.5.3 Acuity Brands Inc. Mid-IR QCL System Production, Revenue, Price and Gross Margin (2015 and 2016)

7.5.4 Main Business/Business Overview

7.6 Structured Materials Industries

7.6.1 Company Basic Information, Manufacturing Base and Its Competitors

7.6.2 Mid-IR QCL System Product Type, Application and Specification

7.6.2.1 Type I

7.6.2.2 Type II

7.6.3 Structured Materials Industries Mid-IR QCL System Production, Revenue, Price and Gross Margin (2015 and 2016)

7.6.4 Main Business/Business Overview

7.7 Block Engineering

7.7.1 Company Basic Information, Manufacturing Base and Its Competitors

7.7.2 Mid-IR QCL System Product Type, Application and Specification

7.7.2.1 Type I

7.7.2.2 Type II

7.7.3 Block Engineering Mid-IR QCL System Production, Revenue, Price and Gross Margin (2015 and 2016)

7.7.4 Main Business/Business Overview

7.8 Sofradir

7.8.1 Company Basic Information, Manufacturing Base and Its Competitors

7.8.2 Mid-IR QCL System Product Type, Application and Specification



7.8.2.1 Type I

7.8.2.2 Type II

7.8.3 Sofradir Mid-IR QCL System Production, Revenue, Price and Gross Margin (2015 and 2016)

7.8.4 Main Business/Business Overview

7.9 Ekips Technologies

7.9.1 Company Basic Information, Manufacturing Base and Its Competitors

7.9.2 Mid-IR QCL System Product Type, Application and Specification

7.9.2.1 Type I

7.9.2.2 Type II

7.9.3 Ekips Technologies Mid-IR QCL System Production, Revenue, Price and Gross Margin (2015 and 2016)

7.9.4 Main Business/Business Overview

7.10 JonDeTech AB

7.10.1 Company Basic Information, Manufacturing Base and Its Competitors

7.10.2 Mid-IR QCL System Product Type, Application and Specification

7.10.2.1 Type I

7.10.2.2 Type II

7.10.3 JonDeTech AB Mid-IR QCL System Production, Revenue, Price and Gross Margin (2015 and 2016)

7.10.4 Main Business/Business Overview

7.11 Micropelt

- 7.12 EnOcean
- 7.13 Agiltron / SensArrayInfrared
- 7.14 Mirthe
- 7.15 Emerson / Cascade Technologies

7.16 Bosh

7.17 Thorlabs/ Maxion

7.18 VIASPACE Ionfinity

7.19 Power Technology

7.20 M Squared

7.21 Thermo Fischer Scientific / NovaWave Technologies

7.22 GE

7.23 PNNL

7.24 HAMAMATSU PHOTONICS

7.25 AdTech Optics

7.26 Opto Solutions

7.27 Sentinel Photonics

7.28 Newport Corporation /ILX Lightwave



7.29 Aerocrine

7.30 Telops

8 MID-IR QCL SYSTEM MANUFACTURING COST ANALYSIS

- 8.1 Mid-IR QCL System Key Raw Materials Analysis
- 8.1.1 Key Raw Materials
- 8.1.2 Price Trend of Key Raw Materials
- 8.1.3 Key Suppliers of Raw Materials
- 8.1.4 Market Concentration Rate of Raw Materials
- 8.2 Proportion of Manufacturing Cost Structure
- 8.2.1 Raw Materials
- 8.2.2 Labor Cost
- 8.2.3 Manufacturing Expenses
- 8.3 Manufacturing Process Analysis of Mid-IR QCL System

9 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS

- 9.1 Mid-IR QCL System Industrial Chain Analysis
- 9.2 Upstream Raw Materials Sourcing
- 9.3 Raw Materials Sources of Mid-IR QCL System Major Manufacturers in 2015
- 9.4 Downstream Buyers

10 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS

- 10.1 Marketing Channel
- 10.1.1 Direct Marketing
- 10.1.2 Indirect Marketing
- 10.1.3 Marketing Channel Development Trend
- 10.2 Market Positioning
- 10.2.1 Pricing Strategy
- 10.2.2 Brand Strategy
- 10.2.3 Target Client
- 10.3 Distributors/Traders List

11 MARKET EFFECT FACTORS ANALYSIS

- 11.1 Technology Progress/Risk
 - 11.1.1 Substitutes Threat



- 11.1.2 Technology Progress in Related Industry
- 11.2 Consumer Needs/Customer Preference Change
- 11.3 Economic/Political Environmental Change

12 GLOBAL MID-IR QCL SYSTEM MARKET FORECAST (2016-2021)

12.1 Global Mid-IR QCL System Production, Revenue Forecast (2016-2021)
12.2 Global Mid-IR QCL System Production, Consumption Forecast by Regions (2016-2021)
12.3 Global Mid-IR QCL System Production Forecast by Type (2016-2021)
12.4 Global Mid-IR QCL System Consumption Forecast by Application (2010-2021)

12.4 Global Mid-IR QCL System Consumption Forecast by Application (2016-2021)

12.5 Mid-IR QCL System Price Forecast (2016-2021)

13 RESEARCH FINDINGS AND CONCLUSION

14 APPENDIX

Author List Disclosure Section Research Methodology Data Source China Disclaimer



List Of Tables

LIST OF TABLES AND FIGURES

Figure Picture of Mid-IR QCL System Figure Global Production Market Share of Mid-IR QCL System by Type in 2015 Figure Product Picture of Type I Table Major Manufacturers of Type I Figure Product Picture of Type II Table Major Manufacturers of Type II Figure Product Picture of Type III Table Major Manufacturers of Type III Table Mid-IR QCL System Consumption Market Share by Application in 2015 Figure Application 1 Examples Figure Application 2 Examples Figure Application 3 Examples Figure North America Mid-IR QCL System Revenue (Million USD) and Growth Rate (2011 - 2021)Figure Europe Mid-IR QCL System Revenue (Million USD) and Growth Rate (2011 - 2021)Figure China Mid-IR QCL System Revenue (Million USD) and Growth Rate (2011-2021) Figure Japan Mid-IR QCL System Revenue (Million USD) and Growth Rate (2011 - 2021)Figure Southeast Asia Mid-IR QCL System Revenue (Million USD) and Growth Rate (2011 - 2021)Figure India Mid-IR QCL System Revenue (Million USD) and Growth Rate (2011-2021) Figure Global Mid-IR QCL System Revenue (Million UDS) and Growth Rate (2011 - 2021)Table Global Mid-IR QCL System Capacity of Key Manufacturers (2015 and 2016) Table Global Mid-IR QCL System Capacity Market Share by Manufacturers (2015 and 2016) Figure Global Mid-IR QCL System Capacity of Key Manufacturers in 2015 Figure Global Mid-IR QCL System Capacity of Key Manufacturers in 2016 Table Global Mid-IR QCL System Production of Key Manufacturers (2015 and 2016) Table Global Mid-IR QCL System Production Share by Manufacturers (2015 and 2016) Figure 2015 Mid-IR QCL System Production Share by Manufacturers Figure 2016 Mid-IR QCL System Production Share by Manufacturers Table Global Mid-IR QCL System Revenue (Million USD) by Manufacturers (2015 and 2016)



Table Global Mid-IR QCL System Revenue Share by Manufacturers (2015 and 2016) Table 2015 Global Mid-IR QCL System Revenue Share by Manufacturers Table 2016 Global Mid-IR QCL System Revenue Share by Manufacturers

Table Global Market Mid-IR QCL System Average Price of Key Manufacturers (2015 and 2016)

Figure Global Market Mid-IR QCL System Average Price of Key Manufacturers in 2015 Table Manufacturers Mid-IR QCL System Manufacturing Base Distribution and Sales Area

Table Manufacturers Mid-IR QCL System Product Type

Figure Mid-IR QCL System Market Share of Top 3 Manufacturers

Figure Mid-IR QCL System Market Share of Top 5 Manufacturers

Table Global Mid-IR QCL System Capacity by Regions (2011-2016)

Figure Global Mid-IR QCL System Capacity Market Share by Regions (2011-2016)

Figure Global Mid-IR QCL System Capacity Market Share by Regions (2011-2016)

Figure 2015 Global Mid-IR QCL System Capacity Market Share by Regions

 Table Global Mid-IR QCL System Production by Regions (2011-2016)

Figure Global Mid-IR QCL System Production and Market Share by Regions (2011-2016)

Figure Global Mid-IR QCL System Production Market Share by Regions (2011-2016) Figure 2015 Global Mid-IR QCL System Production Market Share by Regions Table Global Mid-IR QCL System Revenue by Regions (2011-2016)

Table Global Mid-IR QCL System Revenue Market Share by Regions (2011-2016) Table 2015 Global Mid-IR QCL System Revenue Market Share by Regions

Table Global Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

Table North America Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

Table Europe Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

Table China Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

Table Japan Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

Table Southeast Asia Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

Table India Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

Table Global Mid-IR QCL System Consumption Market by Regions (2011-2016) Table Global Mid-IR QCL System Consumption Market Share by Regions (2011-2016)



Figure Global Mid-IR QCL System Consumption Market Share by Regions (2011-2016) Figure 2015 Global Mid-IR QCL System Consumption Market Share by Regions Table North America Mid-IR QCL System Production, Consumption, Import & Export (2011 - 2016)Table Europe Mid-IR QCL System Production, Consumption, Import & Export (2011 - 2016)Table China Mid-IR QCL System Production, Consumption, Import & Export (2011-2016)Table Japan Mid-IR QCL System Production, Consumption, Import & Export (2011-2016)Table Southeast Asia Mid-IR QCL System Production, Consumption, Import & Export (2011-2016)Table India Mid-IR QCL System Production, Consumption, Import & Export (2011-2016) Table Global Mid-IR QCL System Production by Type (2011-2016) Table Global Mid-IR QCL System Production Share by Type (2011-2016) Figure Production Market Share of Mid-IR QCL System by Type (2011-2016) Figure 2015 Production Market Share of Mid-IR QCL System by Type Table Global Mid-IR QCL System Revenue by Type (2011-2016) Table Global Mid-IR QCL System Revenue Share by Type (2011-2016) Figure Production Revenue Share of Mid-IR QCL System by Type (2011-2016) Figure 2015 Revenue Market Share of Mid-IR QCL System by Type Table Global Mid-IR QCL System Price by Type (2011-2016) Figure Global Mid-IR QCL System Production Growth by Type (2011-2016) Table Global Mid-IR QCL System Consumption by Application (2011-2016) Table Global Mid-IR QCL System Consumption Market Share by Application (2011 - 2016)Figure Global Mid-IR QCL System Consumption Market Share by Application in 2015 Table Global Mid-IR QCL System Consumption Growth Rate by Application (2011 - 2016)Figure Global Mid-IR QCL System Consumption Growth Rate by Application (2011 - 2016)Table FLIR Basic Information, Manufacturing Base, Sales Area and Its Competitors Table FLIR Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011 - 2016)Figure FLIR Mid-IR QCL System Market Share (2011-2016) Table IP Control Basic Information, Manufacturing Base, Sales Area and Its Competitors Table IP Control Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)



Figure IP Control Mid-IR QCL System Market Share (2011-2016)

Table Daylight Solutions Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Daylight Solutions Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

Figure Daylight Solutions Mid-IR QCL System Market Share (2011-2016)

Table SenseAir Basic Information, Manufacturing Base, Sales Area and Its Competitors Table SenseAir Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

Figure SenseAir Mid-IR QCL System Market Share (2011-2016)

Table Acuity Brands Inc. Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Acuity Brands Inc. Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

Figure Acuity Brands Inc. Mid-IR QCL System Market Share (2011-2016)

Table Structured Materials Industries Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Structured Materials Industries Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

Figure Structured Materials Industries Mid-IR QCL System Market Share (2011-2016) Table Block Engineering Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Block Engineering Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

Figure Block Engineering Mid-IR QCL System Market Share (2011-2016)

Table Sofradir Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Sofradir Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

Figure Sofradir Mid-IR QCL System Market Share (2011-2016)

Table Ekips Technologies Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Ekips Technologies Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

Figure Ekips Technologies Mid-IR QCL System Market Share (2011-2016)

Table JonDeTech AB Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table JonDeTech AB Mid-IR QCL System Production, Revenue, Price and Gross Margin (2011-2016)

Figure JonDeTech AB Mid-IR QCL System Market Share (2011-2016)



Table Production Base and Market Concentration Rate of Raw Material Figure Price Trend of Key Raw Materials Table Key Suppliers of Raw Materials Figure Manufacturing Cost Structure of Mid-IR QCL System Figure Manufacturing Process Analysis of Mid-IR QCL System Figure Mid-IR QCL System Industrial Chain Analysis Table Raw Materials Sources of Mid-IR QCL System Major Manufacturers in 2015 Table Raw Materials Sources of Mid-IR QCL System Major Manufacturers in 2015 Table Distributors/Traders List Figure Global Mid-IR QCL System Production and Growth Rate Forecast (2016-2021) Figure Global Mid-IR QCL System Revenue and Growth Rate Forecast (2016-2021) Table Global Mid-IR QCL System Production Forecast by Regions (2016-2021) Table Global Mid-IR QCL System Production Forecast by Regions (2016-2021) Table Global Mid-IR QCL System Production Forecast by Regions (2016-2021) Table Global Mid-IR QCL System Production Forecast by Regions (2016-2021) Table Global Mid-IR QCL System Production Forecast by Regions (2016-2021) Table Global Mid-IR QCL System Production Forecast by Regions (2016-2021) Table Global Mid-IR QCL System Production Forecast by Regions (2016-2021) Table Global Mid-IR QCL System Production Forecast by Regions (2016-2021)



I would like to order

Product name: Global Mid-IR QCL System Market Research Report 2016 Product link: <u>https://marketpublishers.com/r/G6D337D37CCEN.html</u> Price: US\$ 2,900.00 (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 <u>https://marketpublishers.com/r/G6D337D37CCEN.html</u>

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

Custumer signature _____

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

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