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Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Infrared Filters Market 2018, Forecast to 2023

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Abstracts

IR filter commonly refer to filters that reflect or block mid-infrared wavelengths while passing visible light. The infrared filter exists in various specifications and forms for a multitude of applications. Infrared filters can be designed in bandpass, longpass, and shortpass configurations for applications in the SWIR, NIR, and MIR wavelength bands. Low stress coatings with high blocking in the visible are afforded by incorporating high index semiconductors in the designs.

Scope of the Report:

This report focuses on the Infrared Filters in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.
The market is driven by various end-user industries, such as mobile phone, tablet, notebook, PC, game console, video surveillance, car camera, etc. As the downstream consumption usually follows with developed and rapid economic growth areas, such as BRICS, the developed areas' company prefers investing to underdevelopment regions these years.

There are different types of Infrared Filters, like Infrared cut-off Filters, Blue Filter, Bandpass Filter and so on. IRCF(infra-red cut filter)is used at the front of the CMOS or CCD. IRCF is designed to cut off infra-red wavelengths while passing visible light which make the sensor sensitivity like human eyes. Blue Filter is growing fast owing to the rapid growth of dual cameras and high pixel phone.

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The industry is relatively concentration, the key brand include Zhejiang Quartz Crystal Optoelectronic, Optrontec, W-olf Photoelectric, Shenzhen O-film Tech Co, Tanaka Engineering Inc, Unionlight, Viavi Solutions, Jingbang Optoelectronics Technology, etc. Among them, Zhejiang Quartz Crystal Optoelectronic, Optrontec and W-olf Photoelectric are the leaders occupying about 62% revenue share in 2016.

The leading companies own the advantages on better performance, more abundant product's types, better technical and impeccable after-sales service. Consequently, they take the majority of the market share of high-end market. Looking to the future years, the slow downward price trend in recent years will maintain. As competition intensifies, prices gap between different brands will go narrowing. Similarly, there will be fluctuation in gross margin.

The industry is expected to remain innovation-led, with frequent acquisitions and strategic alliances adopted as the key strategies by the players to increase their industry presence. Market stays in mature period with a clear concentration. Meanwhile, optimize product mix and further develop value-added capabilities to maximize margins. Manufacturers can take advantage of this situation by reinforcing their production units and supply-chains to avoid any delay in production turn-around-times (TAT) and supply-lead-times.

Significant and lasting barriers make entry into this market difficult. These barriers include, but are not limited to: (i) product development costs; (ii) capital requirements; (iii) intellectual property rights; (iv) regulatory requirement; and (v) Transitions' unfair methods of competition.

Despite the presence of competition problems, due to the dual camera smartphone trend is clear, investors are still optimistic about this area, the future will still have more new investment enter the field. Even so, the market is intensely competitive .The study group recommends the new entrants just having money but without technical advantage and upstream and downstream support do not to enter into this field.

The worldwide market for Infrared Filters is expected to grow at a CAGR of roughly 15.9% over the next five years, will reach 1400 million US$ in 2023, from 580 million US$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Zhejiang Quartz Crystal Optoelectronic

Optrontec

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W-olf Photoelectric

Shenzhen O-film Tech Co

Tanaka Engineering Inc

Unionlight

Viavi Solutions

Jingbang Optoelectronics Technology

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Glass Type

Film Type

Market Segment by Applications, can be divided into

Mobile Phone

Tablet

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Notebook

PC

Game Console

Others

There are 15 Chapters to deeply display the global Infrared Filters market.

Chapter 1, to describe Infrared Filters Introduction, product scope, market overview, market opportunities, market risk, market driving force;
Chapter 2, to analyze the top manufacturers of Infrared Filters, with sales, revenue, and price of Infrared Filters, in 2016 and 2017;
Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;
Chapter 4, to show the global market by regions, with sales, revenue and market share of Infrared Filters, for each region, from 2013 to 2018;
Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;
Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;
Chapter 12, Infrared Filters market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;
Chapter 13, 14 and 15, to describe Infrared Filters sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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Contents

1 MARKET OVERVIEW

1.1 Infrared Filters Introduction
1.2 Market Analysis by Type
  1.2.1 Glass Type
  1.2.2 Film Type
1.3 Market Analysis by Applications
  1.3.1 Mobile Phone
  1.3.2 Tablet
  1.3.3 Notebook
  1.3.4 PC
  1.3.5 Game Console
  1.3.6 Others
1.4 Market Analysis by Regions
  1.4.1 North America (United States, Canada and Mexico)
    1.4.1.1 United States Market States and Outlook (2013-2023)
    1.4.1.2 Canada Market States and Outlook (2013-2023)
    1.4.1.3 Mexico Market States and Outlook (2013-2023)
  1.4.2 Europe (Germany, France, UK, Russia and Italy)
    1.4.2.1 Germany Market States and Outlook (2013-2023)
    1.4.2.2 France Market States and Outlook (2013-2023)
    1.4.2.3 UK Market States and Outlook (2013-2023)
    1.4.2.4 Russia Market States and Outlook (2013-2023)
    1.4.2.5 Italy Market States and Outlook (2013-2023)
  1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia)
    1.4.3.1 China Market States and Outlook (2013-2023)
    1.4.3.2 Japan Market States and Outlook (2013-2023)
    1.4.3.3 Korea Market States and Outlook (2013-2023)
    1.4.3.4 India Market States and Outlook (2013-2023)
    1.4.3.5 Southeast Asia Market States and Outlook (2013-2023)
  1.4.4 South America, Middle East and Africa
    1.4.4.1 Brazil Market States and Outlook (2013-2023)
    1.4.4.2 Egypt Market States and Outlook (2013-2023)
    1.4.4.3 Saudi Arabia Market States and Outlook (2013-2023)
    1.4.4.4 South Africa Market States and Outlook (2013-2023)
    1.4.4.5 Nigeria Market States and Outlook (2013-2023)
1.5 Market Dynamics

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info@marketpublishers.com

1.5.1 Market Opportunities
1.5.2 Market Risk
1.5.3 Market Driving Force

2 MANUFACTURERS PROFILES

2.1 Zhejiang Quartz Crystal Optoelectronic
2.1.1 Business Overview
2.1.1.1 Zhejiang Quartz Crystal Optoelectronic Description
2.1.1.2 Zhejiang Quartz Crystal Optoelectronic Headquarter, Main Business and Finance Overview
2.1.2 Zhejiang Quartz Crystal Optoelectronic Infrared Filters Product Introduction
2.1.2.1 Infrared Filters Production Bases, Sales Regions and Major Competitors
2.1.2.2 Infrared Filters Product Information
2.1.3 Zhejiang Quartz Crystal Optoelectronic Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
2.1.3.1 Zhejiang Quartz Crystal Optoelectronic Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
2.1.3.2 Global Zhejiang Quartz Crystal Optoelectronic Infrared Filters Market Share in 2017
2.2 Optrontec
2.2.1 Business Overview
2.2.1.1 Optrontec Description
2.2.1.2 Optrontec Headquarter, Main Business and Finance Overview
2.2.2 Optrontec Infrared Filters Product Introduction
2.2.2.1 Infrared Filters Production Bases, Sales Regions and Major Competitors
2.2.2.2 Infrared Filters Product Information
2.2.3 Optrontec Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
2.2.3.1 Optrontec Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
2.2.3.2 Global Optrontec Infrared Filters Market Share in 2017
2.3 W-olf Photoelectric
2.3.1 Business Overview
2.3.1.1 W-olf Photoelectric Description
2.3.1.2 W-olf Photoelectric Headquarter, Main Business and Finance Overview
2.3.2 W-olf Photoelectric Infrared Filters Product Introduction
2.3.2.1 Infrared Filters Production Bases, Sales Regions and Major Competitors
2.3.2.2 Infrared Filters Product Information

+44 20 8123 2220
info@marketpublishers.com

2.3.3 W-olf Photoelectric Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
2.3.3.1 W-olf Photoelectric Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
2.3.3.2 Global W-olf Photoelectric Infrared Filters Market Share in 2017
2.4 Shenzhen O-film Tech Co
2.4.1 Business Overview
2.4.1.1 Shenzhen O-film Tech Co Description
2.4.1.2 Shenzhen O-film Tech Co Headquarter, Main Business and Finance Overview
2.4.2 Shenzhen O-film Tech Co Infrared Filters Product Introduction
2.4.2.1 Infrared Filters Production Bases, Sales Regions and Major Competitors
2.4.2.2 Infrared Filters Product Information
2.4.3 Shenzhen O-film Tech Co Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
2.4.3.1 Shenzhen O-film Tech Co Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
2.4.3.2 Global Shenzhen O-film Tech Co Infrared Filters Market Share in 2017
2.5 Tanaka Engineering Inc
2.5.1 Business Overview
2.5.1.1 Tanaka Engineering Inc Description
2.5.1.2 Tanaka Engineering Inc Headquarter, Main Business and Finance Overview
2.5.2 Tanaka Engineering Inc Infrared Filters Product Introduction
2.5.2.1 Infrared Filters Production Bases, Sales Regions and Major Competitors
2.5.2.2 Infrared Filters Product Information
2.5.3 Tanaka Engineering Inc Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
2.5.3.1 Tanaka Engineering Inc Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
2.5.3.2 Global Tanaka Engineering Inc Infrared Filters Market Share in 2017
2.6 Unionlight
2.6.1 Business Overview
2.6.1.1 Unionlight Description
2.6.1.2 Unionlight Headquarter, Main Business and Finance Overview
2.6.2 Unionlight Infrared Filters Product Introduction
2.6.2.1 Infrared Filters Production Bases, Sales Regions and Major Competitors
2.6.2.2 Infrared Filters Product Information
2.6.3 Unionlight Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

+44 20 8123 2220
info@marketpublishers.com

2.6.3.1 Unionlight Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
2.6.3.2 Global Unionlight Infrared Filters Market Share in 2017
2.7 Viavi Solutions
2.7.1 Business Overview
2.7.1.1 Viavi Solutions Description
2.7.1.2 Viavi Solutions Headquarter, Main Business and Finance Overview
2.7.2 Viavi Solutions Infrared Filters Product Introduction
2.7.2.1 Infrared Filters Production Bases, Sales Regions and Major Competitors
2.7.2.2 Infrared Filters Product Information
2.7.3 Viavi Solutions Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
2.7.3.1 Viavi Solutions Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
2.7.3.2 Global Viavi Solutions Infrared Filters Market Share in 2017
2.8 Jingbang Optoelectronics Technology
2.8.1 Business Overview
2.8.1.1 Jingbang Optoelectronics Technology Description
2.8.1.2 Jingbang Optoelectronics Technology Headquarter, Main Business and Finance Overview
2.8.2 Jingbang Optoelectronics Technology Infrared Filters Product Introduction
2.8.2.1 Infrared Filters Production Bases, Sales Regions and Major Competitors
2.8.2.2 Infrared Filters Product Information
2.8.3 Jingbang Optoelectronics Technology Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
2.8.3.1 Jingbang Optoelectronics Technology Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
2.8.3.2 Global Jingbang Optoelectronics Technology Infrared Filters Market Share in 2017

3 GLOBAL INFRARED FILTERS MARKET COMPETITION, BY MANUFACTURER

3.1 Global Infrared Filters Sales and Market Share by Manufacturer (2016-2017)
3.2 Global Infrared Filters Revenue and Market Share by Manufacturer (2016-2017)
3.3 Global Infrared Filters Price by Manufacturer (2016-2017)
3.4 Market Concentration Rate
3.4.1 Top 3 Infrared Filters Manufacturer Market Share in 2017
3.4.2 Top 5 Infrared Filters Manufacturer Market Share in 2017
3.5 Market Competition Trend

+44 20 8123 2220
info@marketpublishers.com

4 GLOBAL INFRARED FILTERS MARKET ANALYSIS BY REGIONS

4.1 Global Infrared Filters Sales, Revenue and Market Share by Regions
4.1.1 Global Infrared Filters Sales by Regions (2013-2018)
4.1.2 Global Infrared Filters Revenue by Regions (2013-2018)
4.2 North America Infrared Filters Sales, Revenue and Growth Rate (2013-2018)
4.3 Europe Infrared Filters Sales, Revenue and Growth Rate (2013-2018)
4.4 Asia-Pacific Infrared Filters Sales, Revenue and Growth Rate (2013-2018)
4.5 South America Infrared Filters Sales, Revenue and Growth Rate (2013-2018)
4.6 Middle East and Africa Infrared Filters Sales, Revenue and Growth Rate (2013-2018)

5 NORTH AMERICA INFRARED FILTERS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

5.1 North America Infrared Filters Sales, Revenue and Market Share by Countries
5.1.1 North America Infrared Filters Sales by Countries (2013-2018)
5.1.2 North America Infrared Filters Revenue by Countries (2013-2018)
5.1.3 United States Infrared Filters Sales and Growth Rate (2013-2018)
5.1.4 Canada Infrared Filters Sales and Growth Rate (2013-2018)
5.1.5 Mexico Infrared Filters Sales and Growth Rate (2013-2018)
5.2 North America Infrared Filters Sales and Revenue (Value) by Manufacturers (2016-2017)
5.2.1 North America Infrared Filters Sales by Manufacturers (2016-2017)
5.2.2 North America Infrared Filters Revenue by Manufacturers (2016-2017)
5.3 North America Infrared Filters Sales, Revenue and Market Share by Type (2013-2018)
5.3.1 North America Infrared Filters Sales and Sales Share by Type (2013-2018)
5.3.2 North America Infrared Filters Revenue and Revenue Share by Type (2013-2018)
5.4 North America Infrared Filters Sales, Revenue and Market Share by Application (2013-2018)
5.4.1 North America Infrared Filters Sales and Sales Share by Application (2013-2018)
5.4.2 North America Infrared Filters Revenue and Revenue Share by Application (2013-2018)

6 EUROPE INFRARED FILTERS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

+44 20 8123 2220
info@marketpublishers.com

6.1 Europe Infrared Filters Sales, Revenue and Market Share by Countries
6.1.1 Europe Infrared Filters Sales by Countries (2013-2018)
6.1.2 Europe Infrared Filters Revenue by Countries (2013-2018)
6.1.3 Germany Infrared Filters Sales and Growth Rate (2013-2018)
6.1.4 UK Infrared Filters Sales and Growth Rate (2013-2018)
6.1.5 France Infrared Filters Sales and Growth Rate (2013-2018)
6.1.6 Russia Infrared Filters Sales and Growth Rate (2013-2018)
6.1.7 Italy Infrared Filters Sales and Growth Rate (2013-2018)
6.2 Europe Infrared Filters Sales and Revenue (Value) by Manufacturers (2016-2017)
6.2.1 Europe Infrared Filters Sales by Manufacturers (2016-2017)
6.2.2 Europe Infrared Filters Revenue by Manufacturers (2016-2017)
6.3 Europe Infrared Filters Sales, Revenue and Market Share by Type (2013-2018)
6.3.1 Europe Infrared Filters Sales and Sales Share by Type (2013-2018)
6.3.2 Europe Infrared Filters Revenue and Revenue Share by Type (2013-2018)
6.4 Europe Infrared Filters Sales, Revenue and Market Share by Application (2013-2018)
6.4.1 Europe Infrared Filters Sales and Sales Share by Application (2013-2018)
6.4.2 Europe Infrared Filters Revenue and Revenue Share by Application (2013-2018)

7 ASIA-PACIFIC INFRARED FILTERS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

7.1 Asia-Pacific Infrared Filters Sales, Revenue and Market Share by Countries
7.1.1 Asia-Pacific Infrared Filters Sales by Countries (2013-2018)
7.1.2 Asia-Pacific Infrared Filters Revenue by Countries (2013-2018)
7.1.3 China Infrared Filters Sales and Growth Rate (2013-2018)
7.1.4 Japan Infrared Filters Sales and Growth Rate (2013-2018)
7.1.5 Korea Infrared Filters Sales and Growth Rate (2013-2018)
7.1.6 India Infrared Filters Sales and Growth Rate (2013-2018)
7.1.7 Southeast Asia Infrared Filters Sales and Growth Rate (2013-2018)
7.2 Asia-Pacific Infrared Filters Sales and Revenue (Value) by Manufacturers (2016-2017)
7.2.1 Asia-Pacific Infrared Filters Sales by Manufacturers (2016-2017)
7.2.2 Asia-Pacific Infrared Filters Revenue by Manufacturers (2016-2017)
7.3 Asia-Pacific Infrared Filters Sales, Revenue and Market Share by Type (2013-2018)
7.3.1 Asia-Pacific Infrared Filters Sales and Sales Share by Type (2013-2018)
7.3.2 Asia-Pacific Infrared Filters Revenue and Revenue Share by Type (2013-2018)
7.4 Asia-Pacific Infrared Filters Sales, Revenue and Market Share by Application

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(2013-2018)
7.4.1 Asia-Pacific Infrared Filters Sales and Sales Share by Application (2013-2018)
7.4.2 Asia-Pacific Infrared Filters Revenue and Revenue Share by Application (2013-2018)

8 SOUTH AMERICA INFRARED FILTERS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

8.1 South America Infrared Filters Sales, Revenue and Market Share by Countries
8.1.1 South America Infrared Filters Sales by Countries (2013-2018)
8.1.2 South America Infrared Filters Revenue by Countries (2013-2018)
8.1.3 Brazil Infrared Filters Sales and Growth Rate (2013-2018)
8.1.4 Argentina Infrared Filters Sales and Growth Rate (2013-2018)
8.1.5 Colombia Infrared Filters Sales and Growth Rate (2013-2018)
8.2 South America Infrared Filters Sales and Revenue (Value) by Manufacturers (2016-2017)
8.2.1 South America Infrared Filters Sales by Manufacturers (2016-2017)
8.2.2 South America Infrared Filters Revenue by Manufacturers (2016-2017)
8.3 South America Infrared Filters Sales, Revenue and Market Share by Type (2013-2018)
8.3.1 South America Infrared Filters Sales and Sales Share by Type (2013-2018)
8.3.2 South America Infrared Filters Revenue and Revenue Share by Type (2013-2018)
8.4 South America Infrared Filters Sales, Revenue and Market Share by Application (2013-2018)
8.4.1 South America Infrared Filters Sales and Sales Share by Application (2013-2018)
8.4.2 South America Infrared Filters Revenue and Revenue Share by Application (2013-2018)

9 MIDDLE EAST AND AFRICA INFRARED FILTERS BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

9.1 Middle East and Africa Infrared Filters Sales, Revenue and Market Share by Countries
9.1.1 Middle East and Africa Infrared Filters Sales by Countries (2013-2018)
9.1.2 Middle East and Africa Infrared Filters Revenue by Countries (2013-2018)
9.1.3 Saudi Arabia Infrared Filters Sales and Growth Rate (2013-2018)
9.1.4 UAE Infrared Filters Sales and Growth Rate (2013-2018)

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9.1.5 Egypt Infrared Filters Sales and Growth Rate (2013-2018)
9.1.6 Nigeria Infrared Filters Sales and Growth Rate (2013-2018)
9.1.7 South Africa Infrared Filters Sales and Growth Rate (2013-2018)
9.2 Middle East and Africa Infrared Filters Sales and Revenue (Value) by Manufacturers (2016-2017)
9.2.1 Middle East and Africa Infrared Filters Sales by Manufacturers (2016-2017)
9.2.2 Middle East and Africa Infrared Filters Revenue by Manufacturers (2016-2017)
9.3 Middle East and Africa Infrared Filters Sales, Revenue and Market Share by Type (2013-2018)
9.3.1 Middle East and Africa Infrared Filters Sales and Sales Share by Type (2013-2018)
9.3.1 Middle East and Africa Infrared Filters Revenue and Revenue Share by Type (2013-2018)
9.4 Middle East and Africa Infrared Filters Sales, Revenue and Market Share by Application (2013-2018)
9.4.1 Middle East and Africa Infrared Filters Sales and Sales Share by Application (2013-2018)
9.4.2 Middle East and Africa Infrared Filters Revenue and Revenue Share by Application (2013-2018)

10 GLOBAL INFRARED FILTERS MARKET SEGMENT BY TYPE

10.1 Global Infrared Filters Sales, Revenue and Market Share by Type (2013-2018)
10.1.1 Global Infrared Filters Sales and Market Share by Type (2013-2018)
10.1.2 Global Infrared Filters Revenue and Market Share by Type (2013-2018)
10.2 Glass Type Sales Growth and Price
10.2.1 Global Glass Type Sales Growth (2013-2018)
10.2.2 Global Glass Type Price (2013-2018)
10.3 Film Type Sales Growth and Price
10.3.1 Global Film Type Sales Growth (2013-2018)
10.3.2 Global Film Type Price (2013-2018)

11 GLOBAL INFRARED FILTERS MARKET SEGMENT BY APPLICATION

11.1 Global Infrared Filters Sales Market Share by Application (2013-2018)
11.2 Mobile Phone Sales Growth (2013-2018)
11.3 Tablet Sales Growth (2013-2018)
11.4 Notebook Sales Growth (2013-2018)
11.5 PC Sales Growth (2013-2018)

+44 20 8123 2220
info@marketpublishers.com

11.6 Game Console Sales Growth (2013-2018)
11.7 Others Sales Growth (2013-2018)

12 INFRARED FILTERS MARKET FORECAST (2018-2023)

12.1 Global Infrared Filters Sales, Revenue and Growth Rate (2018-2023)
12.2 Infrared Filters Market Forecast by Regions (2018-2023)
  12.2.1 North America Infrared Filters Market Forecast (2018-2023)
  12.2.2 Europe Infrared Filters Market Forecast (2018-2023)
  12.2.3 Asia-Pacific Infrared Filters Market Forecast (2018-2023)
  12.2.4 South America Infrared Filters Market Forecast (2018-2023)
  12.2.5 Middle East and Africa Infrared Filters Market Forecast (2018-2023)
12.3 Infrared Filters Market Forecast by Type (2018-2023)
  12.3.1 Global Infrared Filters Sales Forecast by Type (2018-2023)
  12.3.2 Global Infrared Filters Market Share Forecast by Type (2018-2023)
12.4 Infrared Filters Market Forecast by Application (2018-2023)
  12.4.1 Global Infrared Filters Sales Forecast by Application (2018-2023)
  12.4.2 Global Infrared Filters Market Share Forecast by Application (2018-2023)

13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS

13.1 Sales Channel
  13.1.1 Direct Marketing
  13.1.2 Indirect Marketing
  13.1.3 Marketing Channel Future Trend
13.2 Distributors, Traders and Dealers

14 RESEARCH FINDINGS AND CONCLUSION

15 APPENDIX

15.1 Methodology
15.2 Data Source

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLES AND FIGURES

Figure Infrared Filters Picture
Table Product Specifications of Infrared Filters
Figure Global Infrared Filters CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (USD Million)
Figure Global Infrared Filters CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (Sales)
Figure Global Sales Market Share of Infrared Filters by Types in 2017
Figure Glass Type Picture
Table Major Manufacturers of Glass Type
Figure Film Type Picture
Table Major Manufacturers of Film Type
Figure Infrared Filters Sales Market Share by Applications in 2017
Figure Mobile Phone Picture
Figure Tablet Picture
Figure Notebook Picture
Figure PC Picture
Figure Game Console Picture
Figure Others Picture
Figure United States Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Figure Canada Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Figure Mexico Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Figure Germany Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Figure France Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Figure UK Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Figure Russia Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Figure Italy Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Figure China Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Figure Japan Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Figure Korea Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Figure India Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Figure Southeast Asia Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Figure Brazil Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Figure Egypt Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Figure Saudi Arabia Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Figure South Africa Infrared Filters Revenue (Value) and Growth Rate (2013-2023)

+44 20 8123 2220
info@marketpublishers.com

Figure Nigeria Infrared Filters Revenue (Value) and Growth Rate (2013-2023)
Table Zhejiang Quartz Crystal Optoelectronic Headquarter, Established, Main Business and Finance Overview (2017)
Table Zhejiang Quartz Crystal Optoelectronic Infrared Filters Production Bases, Sales Regions and Major Competitors
Table Zhejiang Quartz Crystal Optoelectronic Infrared Filters Product
Table Zhejiang Quartz Crystal Optoelectronic Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
Figure Global Zhejiang Quartz Crystal Optoelectronic Infrared Filters Sales Market Share in 2017
Figure Global Zhejiang Quartz Crystal Optoelectronic Infrared Filters Revenue Market Share in 2017
Table Optrontec Headquarter, Established, Main Business and Finance Overview (2017)
Table Optrontec Infrared Filters Production Bases, Sales Regions and Major Competitors
Table Optrontec Infrared Filters Product
Table Optrontec Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
Figure Global Optrontec Infrared Filters Sales Market Share in 2017
Figure Global Optrontec Infrared Filters Revenue Market Share in 2017
Table W-olf Photoelectric Headquarter, Established, Main Business and Finance Overview (2017)
Table W-olf Photoelectric Infrared Filters Production Bases, Sales Regions and Major Competitors
Table W-olf Photoelectric Infrared Filters Product
Table W-olf Photoelectric Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
Figure Global W-olf Photoelectric Infrared Filters Sales Market Share in 2017
Figure Global W-olf Photoelectric Infrared Filters Revenue Market Share in 2017
Table Shenzhen O-film Tech Co Headquarter, Established, Main Business and Finance Overview (2017)
Table Shenzhen O-film Tech Co Infrared Filters Production Bases, Sales Regions and Major Competitors
Table Shenzhen O-film Tech Co Infrared Filters Product
Table Shenzhen O-film Tech Co Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
Figure Global Shenzhen O-film Tech Co Infrared Filters Sales Market Share in 2017
Figure Global Shenzhen O-film Tech Co Infrared Filters Revenue Market Share in 2017

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Table Tanaka Engineering Inc Headquarter, Established, Main Business and Finance Overview (2017)
Table Tanaka Engineering Inc Infrared Filters Production Bases, Sales Regions and Major Competitors
Table Tanaka Engineering Inc Infrared Filters Product
Table Tanaka Engineering Inc Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
Figure Global Tanaka Engineering Inc Infrared Filters Sales Market Share in 2017
Figure Global Tanaka Engineering Inc Infrared Filters Revenue Market Share in 2017
Table Unionlight Headquarter, Established, Main Business and Finance Overview (2017)
Table Unionlight Infrared Filters Production Bases, Sales Regions and Major Competitors
Table Unionlight Infrared Filters Product
Table Unionlight Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
Figure Global Unionlight Infrared Filters Sales Market Share in 2017
Figure Global Unionlight Infrared Filters Revenue Market Share in 2017
Table Viavi Solutions Headquarter, Established, Main Business and Finance Overview (2017)
Table Viavi Solutions Infrared Filters Production Bases, Sales Regions and Major Competitors
Table Viavi Solutions Infrared Filters Product
Table Viavi Solutions Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
Figure Global Viavi Solutions Infrared Filters Sales Market Share in 2017
Figure Global Viavi Solutions Infrared Filters Revenue Market Share in 2017
Table Jingbang Optoelectronics Technology Headquarter, Established, Main Business and Finance Overview (2017)
Table Jingbang Optoelectronics Technology Infrared Filters Production Bases, Sales Regions and Major Competitors
Table Jingbang Optoelectronics Technology Infrared Filters Product
Table Jingbang Optoelectronics Technology Infrared Filters Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
Figure Global Jingbang Optoelectronics Technology Infrared Filters Sales Market Share in 2017
Figure Global Jingbang Optoelectronics Technology Infrared Filters Revenue Market Share in 2017
Table Global Infrared Filters Sales by Manufacturer (2016-2017)

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Figure Global Infrared Filters Sales Market Share by Manufacturer in 2016
Figure Global Infrared Filters Sales Market Share by Manufacturer in 2017
Table Global Infrared Filters Revenue by Manufacturer (2016-2017)
Figure Global Infrared Filters Revenue Market Share by Manufacturer in 2016
Figure Global Infrared Filters Revenue Market Share by Manufacturer in 2017
Table Global Infrared Filters Price by Manufacturer (2016-2017)
Figure Top 3 Infrared Filters Manufacturer (Revenue) Market Share in 2017
Figure Top 6 Infrared Filters Manufacturer (Revenue) Market Share in 2017
Figure Global Infrared Filters Sales and Growth Rate (2013-2018)
Figure Global Infrared Filters Revenue and Growth Rate (2013-2018)
Table Global Infrared Filters Sales by Regions (2013-2018)
Table Global Infrared Filters Sales Market Share by Regions (2013-2018)
Table Global Infrared Filters Revenue by Regions (2013-2018)
Figure Global Infrared Filters Revenue Market Share by Regions in 2013
Figure Global Infrared Filters Revenue Market Share by Regions in 2017
Figure North America Infrared Filters Sales and Growth Rate (2013-2018)
Figure North America Infrared Filters Revenue and Growth Rate (2013-2018)
Figure Europe Infrared Filters Sales and Growth Rate (2013-2018)
Figure Europe Infrared Filters Revenue and Growth Rate (2013-2018)
Figure Asia-Pacific Infrared Filters Sales and Growth Rate (2013-2018)
Figure Asia-Pacific Infrared Filters Revenue and Growth Rate (2013-2018)
Figure South America Infrared Filters Sales and Growth Rate (2013-2018)
Figure South America Infrared Filters Revenue and Growth Rate (2013-2018)
Figure Middle East and Africa Infrared Filters Sales and Growth Rate (2013-2018)
Figure Middle East and Africa Infrared Filters Revenue and Growth Rate (2013-2018)
Figure North America Infrared Filters Revenue and Growth Rate (2013-2018)
Table North America Infrared Filters Sales by Countries (2013-2018)
Table North America Infrared Filters Sales Market Share by Countries (2013-2018)
Figure North America Infrared Filters Sales Market Share by Countries in 2013
Figure North America Infrared Filters Sales Market Share by Countries in 2017
Table North America Infrared Filters Revenue by Countries (2013-2018)
Table North America Infrared Filters Revenue Market Share by Countries (2013-2018)
Figure North America Infrared Filters Revenue Market Share by Countries in 2013
Figure North America Infrared Filters Revenue Market Share by Countries in 2017
Figure United States Infrared Filters Sales and Growth Rate (2013-2018)
Figure Canada Infrared Filters Sales and Growth Rate (2013-2018)
Figure Mexico Infrared Filters Sales and Growth Rate (2013-2018)
Table North America Infrared Filters Sales by Manufacturer (2016-2017)
Figure North America Infrared Filters Sales Market Share by Manufacturer in 2016

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Figure North America Infrared Filters Sales Market Share by Manufacturer in 2017
Table North America Infrared Filters Revenue by Manufacturer (2016-2017)
Figure North America Infrared Filters Revenue Market Share by Manufacturer in 2016
Figure North America Infrared Filters Revenue Market Share by Manufacturer in 2017
Table North America Infrared Filters Sales by Type (2013-2018)
Table North America Infrared Filters Sales Share by Type (2013-2018)
Table North America Infrared Filters Revenue by Type (2013-2018)
Table North America Infrared Filters Revenue Share by Type (2013-2018)
Table North America Infrared Filters Sales by Application (2013-2018)
Table North America Infrared Filters Sales Share by Application (2013-2018)
Table North America Infrared Filters Revenue by Application (2013-2018)
Table North America Infrared Filters Revenue Share by Application (2013-2018)
Figure Europe Infrared Filters Revenue and Growth Rate (2013-2018)
Table Europe Infrared Filters Sales by Countries (2013-2018)
Table Europe Infrared Filters Sales Market Share by Countries (2013-2018)
Table Europe Infrared Filters Revenue by Countries (2013-2018)
Figure Europe Infrared Filters Revenue Market Share by Countries in 2016
Figure Europe Infrared Filters Revenue Market Share by Countries in 2017
Figure Germany Infrared Filters Sales and Growth Rate (2013-2018)
Figure UK Infrared Filters Sales and Growth Rate (2013-2018)
Figure France Infrared Filters Sales and Growth Rate (2013-2018)
Figure Russia Infrared Filters Sales and Growth Rate (2013-2018)
Figure Italy Infrared Filters Sales and Growth Rate (2013-2018)
Table Europe Infrared Filters Sales by Manufacturer (2016-2017)
Figure Europe Infrared Filters Sales Market Share by Manufacturer in 2016
Figure Europe Infrared Filters Sales Market Share by Manufacturer in 2017
Table Europe Infrared Filters Revenue by Manufacturer (2016-2017)
Figure Europe Infrared Filters Revenue Market Share by Manufacturer in 2016
Figure Europe Infrared Filters Revenue Market Share by Manufacturer in 2017
Table Europe Infrared Filters Sales by Type (2013-2018)
Table Europe Infrared Filters Sales Share by Type (2013-2018)
Table Europe Infrared Filters Revenue by Type (2013-2018)
Table Europe Infrared Filters Revenue Share by Type (2013-2018)
Table Europe Infrared Filters Sales by Application (2013-2018)
Table Europe Infrared Filters Sales Share by Application (2013-2018)
Table Europe Infrared Filters Revenue by Application (2013-2018)
Table Europe Infrared Filters Revenue Share by Application (2013-2018)
Figure Asia-Pacific Infrared Filters Revenue and Growth Rate (2013-2018)
Table Asia-Pacific Infrared Filters Sales by Countries (2013-2018)

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Table Asia-Pacific Infrared Filters Sales Market Share by Countries (2013-2018)
Figure Asia-Pacific Infrared Filters Sales Market Share by Countries 2017
Table Asia-Pacific Infrared Filters Revenue by Countries (2013-2018)
Figure Asia-Pacific Infrared Filters Revenue Market Share by Countries 2017
Figure China Infrared Filters Sales and Growth Rate (2013-2018)
Figure Japan Infrared Filters Sales and Growth Rate (2013-2018)
Figure Korea Infrared Filters Sales and Growth Rate (2013-2018)
Figure India Infrared Filters Sales and Growth Rate (2013-2018)
Figure Southeast Asia Infrared Filters Sales and Growth Rate (2013-2018)
Table Asia-Pacific Infrared Filters Sales by Manufacturer (2016-2017)
Figure Asia-Pacific Infrared Filters Sales Market Share by Manufacturer in 2016
Figure Asia-Pacific Infrared Filters Sales Market Share by Manufacturer in 2017
Table Asia-Pacific Infrared Filters Revenue by Manufacturer (2016-2017)
Figure Asia-Pacific Infrared Filters Revenue Market Share by Manufacturer in 2016
Figure Asia-Pacific Infrared Filters Revenue Market Share by Manufacturer in 2017
Table Asia-Pacific Infrared Filters Sales by Type (2013-2018)
Table Asia-Pacific Infrared Filters Sales Share by Type (2013-2018)
Table Asia-Pacific Infrared Filters Revenue by Type (2013-2018)
Table Asia-Pacific Infrared Filters Revenue Share by Type (2013-2018)
Table Asia-Pacific Infrared Filters Sales by Application (2013-2018)
Table Asia-Pacific Infrared Filters Sales Share by Application (2013-2018)
Table Asia-Pacific Infrared Filters Revenue by Application (2013-2018)
Table Asia-Pacific Infrared Filters Revenue Share by Application (2013-2018)
Figure South America Infrared Filters Revenue and Growth Rate (2013-2018)
Table South America Infrared Filters Sales by Countries (2013-2018)
Table South America Infrared Filters Sales Market Share by Countries (2013-2018)
Figure South America Infrared Filters Sales Market Share by Countries in 2017
Table South America Infrared Filters Revenue by Countries (2013-2018)
Table South America Infrared Filters Revenue Market Share by Countries (2013-2018)
Figure South America Infrared Filters Revenue Market Share by Countries in 2017
Figure Brazil Infrared Filters Sales and Growth Rate (2013-2018)
Figure Argentina Infrared Filters Sales and Growth Rate (2013-2018)
Figure Colombia Infrared Filters Sales and Growth Rate (2013-2018)
Table South America Infrared Filters Sales by Manufacturer (2016-2017)
Figure South America Infrared Filters Sales Market Share by Manufacturer in 2016
Figure South America Infrared Filters Sales Market Share by Manufacturer in 2017
Table South America Infrared Filters Revenue by Manufacturer (2016-2017)
Figure South America Infrared Filters Revenue Market Share by Manufacturer in 2016
Figure South America Infrared Filters Revenue Market Share by Manufacturer in 2017

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Table South America Infrared Filters Sales by Type (2013-2018)
Table South America Infrared Filters Sales Share by Type (2013-2018)
Table South America Infrared Filters Revenue by Type (2013-2018)
Table South America Infrared Filters Revenue Share by Type (2013-2018)
Table South America Infrared Filters Sales by Application (2013-2018)
Table South America Infrared Filters Sales Share by Application (2013-2018)
Table South America Infrared Filters Revenue by Application (2013-2018)
Table South America Infrared Filters Revenue Share by Application (2013-2018)
Figure Middle East and Africa Infrared Filters Revenue and Growth Rate (2013-2018)
Table Middle East and Africa Infrared Filters Sales by Countries (2013-2018)
Table Middle East and Africa Infrared Filters Sales Market Share by Countries (2013-2018)
Figure Middle East and Africa Infrared Filters Sales Market Share by Countries in 2017
Table Middle East and Africa Infrared Filters Revenue by Countries (2013-2018)
Table Middle East and Africa Infrared Filters Revenue Market Share by Countries (2013-2018)
Figure Middle East and Africa Infrared Filters Revenue Market Share by Countries in 2013
Figure Middle East and Africa Infrared Filters Revenue Market Share by Countries in 2017
Figure Saudi Arabia Infrared Filters Sales and Growth Rate (2013-2018)
Figure UAE Infrared Filters Sales and Growth Rate (2013-2018)
Figure Egypt Infrared Filters Sales and Growth Rate (2013-2018)
Figure Nigeria Infrared Filters Sales and Growth Rate (2013-2018)
Figure South Africa Infrared Filters Sales and Growth Rate (2013-2018)
Table Middle East and Africa Infrared Filters Sales by Manufacturer (2016-2017)
Figure Middle East and Africa Infrared Filters Sales Market Share by Manufacturer in 2016
Figure Middle East and Africa Infrared Filters Sales Market Share by Manufacturer in 2017
Table Middle East and Africa Infrared Filters Revenue by Manufacturer (2016-2017)
Figure Middle East and Africa Infrared Filters Revenue Market Share by Manufacturer in 2016
Figure Middle East and Africa Infrared Filters Revenue Market Share by Manufacturer in 2017
Table Middle East and Africa Infrared Filters Sales by Type (2013-2018)
Table Middle East and Africa Infrared Filters Sales Share by Type (2013-2018)
Table Middle East and Africa Infrared Filters Revenue by Type (2013-2018)
Table Middle East and Africa Infrared Filters Revenue Share by Type (2013-2018)

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Table Middle East and Africa Infrared Filters Sales by Application (2013-2018)
Table Middle East and Africa Infrared Filters Sales Share by Application (2013-2018)
Table Middle East and Africa Infrared Filters Revenue by Application (2013-2018)
Table Middle East and Africa Infrared Filters Revenue Share by Application (2013-2018)
Table Global Infrared Filters Sales by Type (2013-2018)
Table Global Infrared Filters Sales Share by Type (2013-2018)
Table Global Infrared Filters Revenue by Type (2013-2018)
Table Global Infrared Filters Revenue Share by Type (2013-2018)
Figure Global Glass Type Sales Growth (2013-2018)
Figure Global Glass Type Price (2013-2018)
Figure Global Film Type Sales Growth (2013-2018)
Figure Global Film Type Price (2013-2018)
Table Global Infrared Filters Sales by Application (2013-2018)
Table Global Infrared Filters Sales Share by Application (2013-2018)
Figure Global Mobile Phone Sales Growth (2013-2018)
Figure Global Tablet Sales Growth (2013-2018)
Figure Global Notebook Sales Growth (2013-2018)
Figure Global PC Sales Growth (2013-2018)
Figure Global Game Console Sales Growth (2013-2018)
Figure Global Others Sales Growth (2013-2018)
Figure Global Infrared Filters Sales, Revenue and Growth Rate (2018-2023)
Table Global Infrared Filters Sales Forecast by Regions (2018-2023)
Table Global Infrared Filters Market Share Forecast by Regions (2018-2023)
Figure North America Sales Infrared Filters Market Forecast (2018-2023)
Figure Europe Sales Infrared Filters Market Forecast (2018-2023)
Figure Asia-Pacific Sales Infrared Filters Market Forecast (2018-2023)
Figure South America Sales Infrared Filters Market Forecast (2018-2023)
Figure Middle East and Africa Sales Infrared Filters Market Forecast (2018-2023)
Table Global Infrared Filters Sales Forecast by Type (2018-2023)
Table Global Infrared Filters Market Share Forecast by Type (2018-2023)
Table Global Infrared Filters Sales Forecast by Application (2018-2023)
Table Global Infrared Filters Market Share Forecast by Application (2018-2023)
Table Distributors/Traders/ Dealers List

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