

Global Electro-optical Sensor Market Research Report 2016

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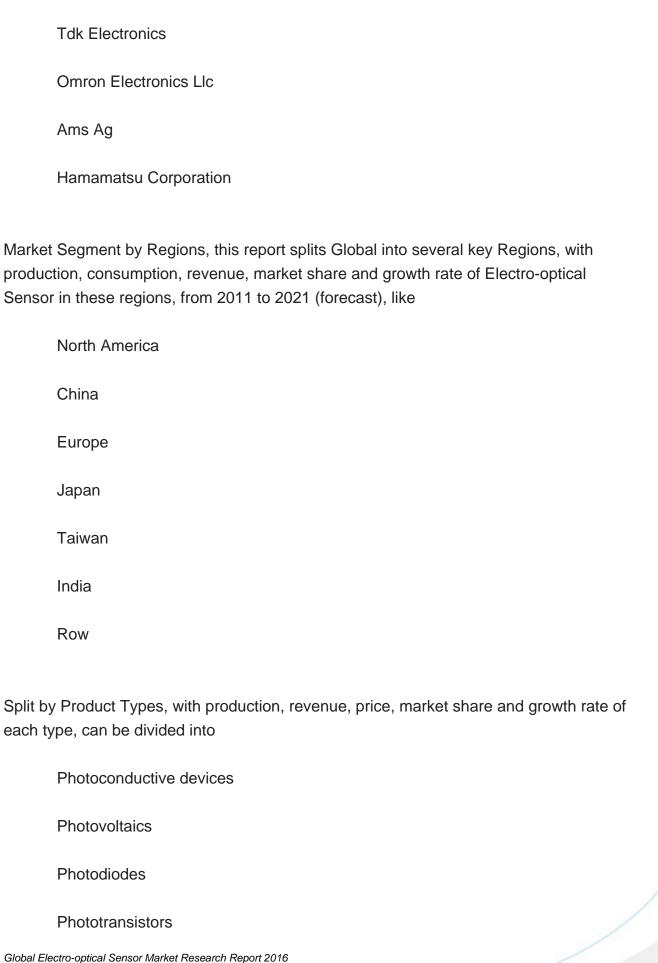
Abstracts

This report studies Electro-optical Sensor in Global market, especially in North America, Europe, China, Japan, Taiwan and India, focuses on top manufacturers in global market, with capacity, production, price, revenue and market share for each manufacturer, covering

Rohm
ELMOS Semiconductor AG
AVAGO TECHNOLOGIES LIMITED
Vishay Siliconix
Pixart Imaging Inc.
Texas Advanced Optoelectronic Solutions
Vishay Siliconix
Optek Technologies
Avago Technologies Limited
Agilent(Hewlett-Packard)

Sanyo Semicon Device







Split by applications, this report focuses on consumption, market share and growth rate of Electro-optical Sensor in each application, can be divided into

Digital technology

Medical devices

Engineering

Agriculture



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An optical sensor converts light rays into electronic signals. It measures the physical quantity of light and then translates it into a form that is readable by an instrument. An optical sensor is generally part of a larger system that integrates a source of light, a measuring device and the optical sensor. This is often connected to an electrical trigger. The trigger reacts to a change in the signal within the light sensor. An optical sensor can measure the changes from one or several light beams.

Figure Picture of Electro-optical Sensor

Source: QYR Electrical Research Center, Dec. 2016

1.2 Electro-optical Sensor Segment by Types

1.2.1 Global Production Market Share of Electro-optical Sensor by Types in 2015 Figure Global Production Market Share of Electro-optical Sensor by Types in 2015

Source: QYR Electrical Research Center, Dec. 2016

Table Classification of Electro-optical Sensor

Types Feature Description

2 3

1

Source: QYR Electrical Research Center, Dec. 2016

1.2.2 Photoconductive devices

Figure Product Picture of Photoconductive devices

Source: QYR Electrical Research Center, Dec. 2016

Table Major Manufacturers of Photoconductive devices

Manufacturers

Location of Manufacturing Bases/Factories

1 2

3

Source: Above Companies; QYR Electrical Research Center, Dec. 2016

1.2.3 Photovoltaics

Figure Product Picture of Photovoltaics

Source: QYR Electrical Research Center, Dec. 2016

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3

Source: QYR Electrical Research Center, Dec. 2016

1.3.2 Digital technology

Digital technology

Figure Digital technology Examples

Source: QYR Electrical Research Center, Dec. 2016

1.3.3 Medical devices

Medical devices

Figure Medical devices Examples

Source: QYR Electrical Research Center, Dec. 2016

1.3.4 Engineering

Engineering

Figure Engineering Examples

Source: QYR Electrical Research Center, Dec. 2016

1.3.5 Agriculture

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Source: QYR Electrical Research Center, Dec. 2016

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Source: QYR Electrical Research Center, Dec. 2016



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2016
Rohm
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ELMOS Semiconductor AG
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AVAGO TECHNOLOGIES LIMITED
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Vishay Siliconix
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Pixart Imaging Inc.
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Source: Above companies; QYR Electrical Research Center, Dec. 2016 Table Global Electro-optical Sensor Capacity Market Share of Key Manufacturers (2015) and 2016) Capacity? 2015 2016 Rohm ? ? **ELMOS Semiconductor AG** ? ? AVAGO TECHNOLOGIES LIMITED ? Vishay Siliconix ? ? Pixart Imaging Inc. ? ? ?? ? Total ? Source: Above companies; QYR Electrical Research Center, Dec. 2016 Figure Global Electro-optical Sensor Capacity of Key Manufacturers in 2015 Source: Above companies; QYR Electrical Research Center, Dec. 2016 Figure Global Electro-optical Sensor Capacity of Key Manufacturers in 2016 Source: Above companies; QYR Electrical Research Center, Dec. 2016 Table Global Electro-optical Sensor Production of Key Manufacturers (2015 and 2016) Production? 2015 2016 Rohm ? **ELMOS Semiconductor AG**



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AVAGO TECHNOLOGIES LIMITED
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Vishay Siliconix
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Pixart Imaging Inc.
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??
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Total
?
?
Source: Above companies; QYR Electrical Research Center, Dec. 2016
Table Global Electro-optical Sensor Production Share by Manufacturers (2015 and
2016)
Production Share
2015
2016
Rohm
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?
ELMOS Semiconductor AG
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?
??
?
Total
?
Source: Above companies; QYR Electrical Research Center, Dec. 2016
Figure 2015 Electro-optical Sensor Production Share by Manufacturers
Source: Above companies; QYR Electrical Research Center, Dec. 2016
Figure 2016 Electro-optical Sensor Production Share by Manufacturers
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Table Global Market Electro-optical Sensor Average Price of Key Manufacturers (2015
and 2016)
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2015
2016
Rohm
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ELMOS Semiconductor AG
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Source: Above companies; QYR Electrical Research Center, Dec. 2016
Figure Global Market Electro-optical Sensor Average Price of Key Manufacturers in
2015
Source: Above companies; QYR Electrical Research Center, Dec. 2016
2.4 Manufacturers Electro-optical Sensor Manufacturing Base Distribution, Sales Area,
Product Types
Table Manufacturers Electro-optical Sensor Manufacturing Base Distribution and Sales
Area
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Manufacturing Base Distribution
Sales Area
Rohm
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ELMOS Semiconductor AG
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Source: Above companies; QYR Electrical Research Center, Dec. 2016
Table Manufacturers Electro-optical Sensor Product Types
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Product Types
Rohm



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ELMOS Semiconductor AG
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Source: Above companies; QYR Electrical Research Center, Dec. 2016
2.5 Electro-optical Sensor Market Competitive Situation and Trends?
 2.5.1 Electro-optical Sensor Market Concentration Rate
 2.5.2 Electro-optical Sensor Market Share of Top 3 and Top 5 Manufacturers
Figure Electro-optical Sensor Market Share of Top 3 Manufacturers
Source: Above companies; QYR Electrical Research Center, Dec. 2016
Figure Electro-optical Sensor Market Share of Top 5 Manufacturers
Source: Above companies; QYR Electrical Research Center, Dec. 2016
 2.5.3 Mergers & Acquisitions, Expansion
3 Global Electro-optical Sensor Capacity, Production, Revenue (Value) by Regions
(2011-2016)
3.1 Global Electro-optical Sensor Capacity and Market Share by Regions (2011-2016)
Table Global Electro-optical Sensor Capacity by Regions (2011-2016)
North America
Europe
China
Japan
Taiwan
India
Row
ROW
Total
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Source: QYR Electrical Research Center, Dec. 2016
Figure Global Electro-optical Sensor Capacity Market Share by Regions (2011-2016)
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North America
Europe
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China
Japan
Taiwan
India
Row
ROW
Total
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Source: QYR Electrical Research Center, Dec. 2016 Figure Global Electro-optical Sensor Capacity Market Share by Regions (2011-2016) Source: QYR Electrical Research Center, Dec. 2016 Figure 2015 Global Electro-optical Sensor Capacity Market Share by Regions Source: QYR Electrical Research Center, Dec. 2016 3.2 Global Electro-optical Sensor Production and Market Share by Regions (2011-2016) Table Global Electro-optical Sensor Production by Regions (2011-2016) North America Europe China
Japan
Taiwan
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Source: QYR Electrical Research Center, Dec. 2016
Figure Global Electro-optical Sensor Production and Market Share by Regions
(2011-2016)



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Source: QYR Electrical Research Center, Dec. 2016
Figure Global Electro-optical Sensor Production Market Share by Regions (2011-2016)
Source: QYR Electrical Research Center, Dec. 2016
Figure 2015 Global Electro-optical Sensor Production Market Share by Regions
Source: QYR Electrical Research Center, Dec. 2016
3.3 Global Electro-optical Sensor Revenue (Value) and Market Share by Regions
(2011-2016)
Table Global Electro-optical Sensor Revenue by Regions (2011-2016)
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North America
Europe
China
Japan
Taiwan
India
Row
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Total
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Source: QYR Electrical Research Center, Dec. 2016
Table Global Electro-optical Sensor Revenue Market Share by Regions (2011-2016)
North America
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Source: QYR Electrical Research Center, Dec. 2016
Table 2015 Global Electro-optical Sensor Revenue Market Share by Regions
Source: QYR Electrical Research Center, Dec. 2016
3.4 Global Electro-optical Sensor Capacity, Production, Revenue, Price and Gross
Margin (2011-2016)
Table Global Electro-optical Sensor Capacity, Production, Revenue, Price and Gross
Margin (2011-2016)
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Capacity
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Source: QYR Electrical Research Center, Dec. 2016
3.5North America Electro-optical Sensor Capacity, Production, Revenue, Price and
Gross Margin (2011-2016)
Table North America Electro-optical Sensor Capacity, Production, Revenue, Price and
Gross Margin (2011-2016)
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Capacity
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Production
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Capacity Utilization Rate
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Revenue
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Gross Margin
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Source: QYR Electrical Research Center, Dec. 2016
3.6 Europe Electro-optical Sensor Capacity, Production, Revenue, Price and Gross
Margin (2011-2016)
Table Europe Electro-optical Sensor Capacity, Production, Revenue, Price and Gross
Margin (2011-2016)
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Source: QYR Electrical Research Center, Dec. 2016
3.7 China Electro-optical Sensor Capacity, Production, Revenue, Price and Gross
Margin (2011-2016)
Table China Electro-optical Sensor Capacity, Production, Revenue, Price and Gross
Margin (2011-2016)
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Capacity Utilization Rate
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Revenue ? ? ? ? ? Price ? ? ? ? ? ? **Gross Profit** ? ? ? ? ? ? Cost ? ? ? ? ? **Gross Margin** ? ? ? ? ? ? Source: QYR Electrical Research Center, Dec. 2016 3.8 Japan Electro-optical Sensor Capacity, Production, Revenue, Price and Gross

Margin (2011-2016)

Table Japan Electro-optical Sensor Capacity, Production, Revenue, Price and Gross



Margin (2011-2016)
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Source: QYR Electrical Research Center, Dec. 2016
3.9 Taiwan Electro-optical Sensor Capacity, Production, Revenue, Price and Gross
Margin (2011-2016)
Table Taiwan Electro-optical Sensor Capacity, Production, Revenue, Price and Gross
Margin (2011-2016)
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Capacity Utilization Rate
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Source: QYR Electrical Research Center, Dec. 2016
3.10 India Electro-optical Sensor Capacity, Production, Revenue, Price and Gross
Margin (2011-2016)
Table India Electro-optical Sensor Capacity, Production, Revenue, Price and Gross
Margin (2011-2016)
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Source: QYR Electrical Research Center, Dec. 2016
3.11 Row Electro-optical Sensor Capacity, Production, Revenue, Price and Gross
Margin (2011-2016)
Table Row Electro-optical Sensor Capacity, Production, Revenue, Price and Gross
Margin (2011-2016)
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Source: QYR Electrical Research Center, Dec. 2016
4 Global Electro-optical Sensor Supply (Production), Consumption, Export, Import by
Regions (2011-2016)
4.1 Global Electro-optical Sensor Consumption by Regions (2011-2016)
Table Global Electro-optical Sensor Consumption Market by Regions (2011-2016)
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North America
Europe
China
Japan
Taiwan
India
Row
ROW
Total
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Source: QYR Electrical Research Center, Dec. 2016
Table Global Electro-optical Sensor Consumption Market Share by Regions
(2011-2016)
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North America
Europe
China
Japan



Taiwan
India
Row
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Total
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Source: QYR Electrical Research Center, Dec. 2016
Figure Global Electro-optical Sensor Consumption Market Share by Regions
(2011-2016)
Source: QYR Electrical Research Center, Dec. 2016
Figure 2015 Global Electro-optical Sensor Consumption Market Share by Regions
Source: QYR Electrical Research Center, Dec. 2016
4.2North America Electro-optical Sensor Production, Consumption, Export, Import by
Regions (2011-2016)
Table North America Electro-optical Sensor Production, Consumption, Import & Export
(2011-2016)
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Source: QYR Electrical Research Center, Dec. 2016
4.3 Europe Electro-optical Sensor Production, Consumption, Export, Import by Regions
(2011-2016)
Table Europe Electro-optical Sensor Production, Consumption, Import & Export
(2011-2016)
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Consumption



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Source: QYR Electrical Research Center, Dec. 2016
4.4 China Electro-optical Sensor Production, Consumption, Export, Import by Regions
(2011-2016)
Table China Electro-optical Sensor Production, Consumption, Import & Export
(2011-2016)
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? Source: QYR Electrical Research Center, Dec. 2016 4.5 Japan Electro-optical Sensor Production, Consumption, Export, Import by Regions (2011-2016)Table Japan Electro-optical Sensor Production, Consumption, Import & Export (2011-2016)Production ? ? ? ? ? **Import** ? ? ? ? ? ? Export ? ? ? ? ? ? Consumption ? ? ? ? ? ? Source: QYR Electrical Research Center, Dec. 2016 4.6 Taiwan Electro-optical Sensor Production, Consumption, Export, Import by Regions (2011-2016)

Table Taiwan Electro-optical Sensor Production, Consumption, Import & Export



(2011-2016)
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Source: QYR Electrical Research Center, Dec. 2016
4.7 India Electro-optical Sensor Production, Consumption, Export, Import by Regions
(2011-2016)
Table India Electro-optical Sensor Production, Consumption, Import & Export
(2011-2016)
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Production
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Source: QYR Electrical Research Center, Dec. 2016
4.8 Row Electro-optical Sensor Production, Consumption, Export, Import by Regions
(2011-2016)
Table Row Electro-optical Sensor Production, Consumption, Import & Export
(2011-2016)
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Production
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Import



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Export
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Consumption
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Source: QYR Electrical Research Center, Dec. 2016 5 Global Electro-optical Sensor Production, Revenue (Value), Price Trend by Types 5.1 Global Electro-optical Sensor Production and Market Share by Types (2011-2016) Table Global Electro-optical Sensor Production by Types (2011-2016) ?
Photoconductive devices Photovoltaics ?
Total
Source: QYR Electrical Research Center, Dec. 2016 Table Global Electro-optical Sensor Production Share by Types (2011-2016) ?
Photoconductive devices
Photovoltaics
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Total
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Source: QYR Electrical Research Center, Dec. 2016
Figure Production Market Share of Electro-optical Sensor by Types (2011-2016)
Source: QYR Electrical Research Center, Dec. 2016
Figure 2015 Production Market Share of Electro-optical Sensor by Types
Source: QYR Electrical Research Center, Dec. 2016
5.2 Global Electro-optical Sensor Revenue and Market Share by Types (2011-2016)
Table Global Electro-optical Sensor Revenue by Types (2011-2016)
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Photoconductive devices
Photovoltaics
Total
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Source: QYR Electrical Research Center, Dec. 2016
Table Global Electro-optical Sensor Revenue Share by Types (2011-2016)
Photoconductive devices
Photovoltaics
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Total
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Source: QYR Electrical Research Center, Dec. 2016
Figure Production Revenue Share of Electro-optical Sensor by Types (2011-2016)
Source: QYR Electrical Research Center, Dec. 2016
Figure 2015 Revenue Market Share of Electro-optical Sensor by Types
Source: QYR Electrical Research Center, Dec. 2016
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5.3 Global Electro-optical Sensor Price by Type (2011-2016)
Table Global Electro-optical Sensor Price by Types (2011-2016)
Photoconductive devices
Photovoltaics
?
Total
Source: QYR Electrical Research Center, Dec. 2016
5.4 Global Electro-optical Sensor Production Growth by Type (2011-2016)
Figure Global Electro-optical Sensor Production Growth by Type (2011-2016)
Source: QYR Electrical Research Center, Dec. 2016
6 Global Electro-optical Sensor Market Analysis by Applications
6.1 Global Electro-optical Sensor Consumption and Market Share by Applications
(2011-2016)
Table Global Electro-optical Sensor Consumption by Applications (2011-2016)
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Digital technology
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Medical devices
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Source: QYR Electrical Research Center, Dec. 2016
Table Global Electro-optical Sensor Consumption Market Share by Applications
(2011-2016)
Digital technology
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Medical devices
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Total
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Source: QYR Electrical Research Center, Dec. 2016
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Figure Global Electro-optical Sensor Consumption Market S



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