

# Global Colloidal Quantum Dot Image Sensor Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G07EA3CBB2DAEN.html>

Date: August 2023

Pages: 110

Price: US\$ 4,480.00 (Single User License)

ID: G07EA3CBB2DAEN

## Abstracts

The global Colloidal Quantum Dot Image Sensor market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Colloidal quantum dots are nanoscale semiconductor particles that exhibit unique optoelectronic properties. They can be synthesized using solution-based methods, which makes them relatively easy and cost-effective to produce Compared to traditional semiconductor materials like silicon. Additionally, CQDs have tunable bandgaps, meaning their optical and electronic properties can be controlled by changing their size and composition.

A colloidal quantum dot image sensor (CQDIS) is a type of image sensor that utilizes colloidal quantum dots (CQDs) as the photosensitive material. Image sensors are electronic devices used to capture and convert optical images into digital signals. They are commonly found in digital cameras, smartphones, and other imaging devices.

This report studies the global Colloidal Quantum Dot Image Sensor production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Colloidal Quantum Dot Image Sensor, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Colloidal Quantum Dot Image Sensor that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Colloidal Quantum Dot Image Sensor total production and demand, 2018-2029, (K Units)

Global Colloidal Quantum Dot Image Sensor total production value, 2018-2029, (USD Million)

Global Colloidal Quantum Dot Image Sensor production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Colloidal Quantum Dot Image Sensor consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Colloidal Quantum Dot Image Sensor domestic production, consumption, key domestic manufacturers and share

Global Colloidal Quantum Dot Image Sensor production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Colloidal Quantum Dot Image Sensor production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Colloidal Quantum Dot Image Sensor production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Colloidal Quantum Dot Image Sensor market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Quantum Solutions, QD Laser, InVisage, OSRAM Opto Semiconductors GmbH, SAMSUNG, Merck KGaA, NN-LABS, LLC, Central Quantum and Ocean NanoTech, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Colloidal Quantum Dot Image Sensor market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

#### Global Colloidal Quantum Dot Image Sensor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Colloidal Quantum Dot Image Sensor Market, Segmentation by Type

Resistance Strain

Piezoresistive

#### Global Colloidal Quantum Dot Image Sensor Market, Segmentation by Application

Aerospace & Defense

Consumer Electronics

Healthcare

Others

#### Companies Profiled:

Quantum Solutions

QD Laser

InVisage

OSRAM Opto Semiconductors GmbH

SAMSUNG

Merck KGaA

NN-LABS, LLC

Central Quantum

Ocean NanoTech

Nanoco Group plc

#### Key Questions Answered

1. How big is the global Colloidal Quantum Dot Image Sensor market?
2. What is the demand of the global Colloidal Quantum Dot Image Sensor market?
3. What is the year over year growth of the global Colloidal Quantum Dot Image Sensor market?
4. What is the production and production value of the global Colloidal Quantum Dot Image Sensor market?

5. Who are the key producers in the global Colloidal Quantum Dot Image Sensor market?

6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Colloidal Quantum Dot Image Sensor Introduction
- 1.2 World Colloidal Quantum Dot Image Sensor Supply & Forecast
  - 1.2.1 World Colloidal Quantum Dot Image Sensor Production Value (2018 & 2022 & 2029)
  - 1.2.2 World Colloidal Quantum Dot Image Sensor Production (2018-2029)
  - 1.2.3 World Colloidal Quantum Dot Image Sensor Pricing Trends (2018-2029)
- 1.3 World Colloidal Quantum Dot Image Sensor Production by Region (Based on Production Site)
  - 1.3.1 World Colloidal Quantum Dot Image Sensor Production Value by Region (2018-2029)
  - 1.3.2 World Colloidal Quantum Dot Image Sensor Production by Region (2018-2029)
  - 1.3.3 World Colloidal Quantum Dot Image Sensor Average Price by Region (2018-2029)
  - 1.3.4 North America Colloidal Quantum Dot Image Sensor Production (2018-2029)
  - 1.3.5 Europe Colloidal Quantum Dot Image Sensor Production (2018-2029)
  - 1.3.6 China Colloidal Quantum Dot Image Sensor Production (2018-2029)
  - 1.3.7 Japan Colloidal Quantum Dot Image Sensor Production (2018-2029)
  - 1.3.8 South Korea Colloidal Quantum Dot Image Sensor Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Colloidal Quantum Dot Image Sensor Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Colloidal Quantum Dot Image Sensor Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
  - 1.5.1 Influence of COVID-19
  - 1.5.2 Influence of Russia-Ukraine War

### 2 DEMAND SUMMARY

- 2.1 World Colloidal Quantum Dot Image Sensor Demand (2018-2029)
- 2.2 World Colloidal Quantum Dot Image Sensor Consumption by Region
  - 2.2.1 World Colloidal Quantum Dot Image Sensor Consumption by Region (2018-2023)
  - 2.2.2 World Colloidal Quantum Dot Image Sensor Consumption Forecast by Region (2024-2029)
- 2.3 United States Colloidal Quantum Dot Image Sensor Consumption (2018-2029)

- 2.4 China Colloidal Quantum Dot Image Sensor Consumption (2018-2029)
- 2.5 Europe Colloidal Quantum Dot Image Sensor Consumption (2018-2029)
- 2.6 Japan Colloidal Quantum Dot Image Sensor Consumption (2018-2029)
- 2.7 South Korea Colloidal Quantum Dot Image Sensor Consumption (2018-2029)
- 2.8 ASEAN Colloidal Quantum Dot Image Sensor Consumption (2018-2029)
- 2.9 India Colloidal Quantum Dot Image Sensor Consumption (2018-2029)

### **3 WORLD COLLOIDAL QUANTUM DOT IMAGE SENSOR MANUFACTURERS COMPETITIVE ANALYSIS**

- 3.1 World Colloidal Quantum Dot Image Sensor Production Value by Manufacturer (2018-2023)
- 3.2 World Colloidal Quantum Dot Image Sensor Production by Manufacturer (2018-2023)
- 3.3 World Colloidal Quantum Dot Image Sensor Average Price by Manufacturer (2018-2023)
- 3.4 Colloidal Quantum Dot Image Sensor Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global Colloidal Quantum Dot Image Sensor Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for Colloidal Quantum Dot Image Sensor in 2022
  - 3.5.3 Global Concentration Ratios (CR8) for Colloidal Quantum Dot Image Sensor in 2022
- 3.6 Colloidal Quantum Dot Image Sensor Market: Overall Company Footprint Analysis
  - 3.6.1 Colloidal Quantum Dot Image Sensor Market: Region Footprint
  - 3.6.2 Colloidal Quantum Dot Image Sensor Market: Company Product Type Footprint
  - 3.6.3 Colloidal Quantum Dot Image Sensor Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

### **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

- 4.1 United States VS China: Colloidal Quantum Dot Image Sensor Production Value

## Comparison

4.1.1 United States VS China: Colloidal Quantum Dot Image Sensor Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Colloidal Quantum Dot Image Sensor Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Colloidal Quantum Dot Image Sensor Production Comparison

4.2.1 United States VS China: Colloidal Quantum Dot Image Sensor Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Colloidal Quantum Dot Image Sensor Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Colloidal Quantum Dot Image Sensor Consumption Comparison

4.3.1 United States VS China: Colloidal Quantum Dot Image Sensor Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Colloidal Quantum Dot Image Sensor Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based Colloidal Quantum Dot Image Sensor Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Colloidal Quantum Dot Image Sensor Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Colloidal Quantum Dot Image Sensor Production Value (2018-2023)

4.4.3 United States Based Manufacturers Colloidal Quantum Dot Image Sensor Production (2018-2023)

4.5 China Based Colloidal Quantum Dot Image Sensor Manufacturers and Market Share

4.5.1 China Based Colloidal Quantum Dot Image Sensor Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Colloidal Quantum Dot Image Sensor Production Value (2018-2023)

4.5.3 China Based Manufacturers Colloidal Quantum Dot Image Sensor Production (2018-2023)

4.6 Rest of World Based Colloidal Quantum Dot Image Sensor Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Colloidal Quantum Dot Image Sensor Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Colloidal Quantum Dot Image Sensor Production Value (2018-2023)



#### 4.6.3 Rest of World Based Manufacturers Colloidal Quantum Dot Image Sensor Production (2018-2023)

### **5 MARKET ANALYSIS BY TYPE**

#### 5.1 World Colloidal Quantum Dot Image Sensor Market Size Overview by Type: 2018 VS 2022 VS 2029

#### 5.2 Segment Introduction by Type

##### 5.2.1 Resistance Strain

##### 5.2.2 Piezoresistive

#### 5.3 Market Segment by Type

##### 5.3.1 World Colloidal Quantum Dot Image Sensor Production by Type (2018-2029)

##### 5.3.2 World Colloidal Quantum Dot Image Sensor Production Value by Type (2018-2029)

##### 5.3.3 World Colloidal Quantum Dot Image Sensor Average Price by Type (2018-2029)

### **6 MARKET ANALYSIS BY APPLICATION**

#### 6.1 World Colloidal Quantum Dot Image Sensor Market Size Overview by Application: 2018 VS 2022 VS 2029

#### 6.2 Segment Introduction by Application

##### 6.2.1 Aerospace & Defense

##### 6.2.2 Consumer Electronics

##### 6.2.3 Healthcare

##### 6.2.4 Others

#### 6.3 Market Segment by Application

##### 6.3.1 World Colloidal Quantum Dot Image Sensor Production by Application (2018-2029)

##### 6.3.2 World Colloidal Quantum Dot Image Sensor Production Value by Application (2018-2029)

##### 6.3.3 World Colloidal Quantum Dot Image Sensor Average Price by Application (2018-2029)

### **7 COMPANY PROFILES**

#### 7.1 Quantum Solutions

##### 7.1.1 Quantum Solutions Details

##### 7.1.2 Quantum Solutions Major Business

##### 7.1.3 Quantum Solutions Colloidal Quantum Dot Image Sensor Product and Services

7.1.4 Quantum Solutions Colloidal Quantum Dot Image Sensor Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 Quantum Solutions Recent Developments/Updates

7.1.6 Quantum Solutions Competitive Strengths & Weaknesses

7.2 QD Laser

7.2.1 QD Laser Details

7.2.2 QD Laser Major Business

7.2.3 QD Laser Colloidal Quantum Dot Image Sensor Product and Services

7.2.4 QD Laser Colloidal Quantum Dot Image Sensor Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 QD Laser Recent Developments/Updates

7.2.6 QD Laser Competitive Strengths & Weaknesses

7.3 InVisage

7.3.1 InVisage Details

7.3.2 InVisage Major Business

7.3.3 InVisage Colloidal Quantum Dot Image Sensor Product and Services

7.3.4 InVisage Colloidal Quantum Dot Image Sensor Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 InVisage Recent Developments/Updates

7.3.6 InVisage Competitive Strengths & Weaknesses

7.4 OSRAM Opto Semiconductors GmbH

7.4.1 OSRAM Opto Semiconductors GmbH Details

7.4.2 OSRAM Opto Semiconductors GmbH Major Business

7.4.3 OSRAM Opto Semiconductors GmbH Colloidal Quantum Dot Image Sensor Product and Services

7.4.4 OSRAM Opto Semiconductors GmbH Colloidal Quantum Dot Image Sensor Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.4.5 OSRAM Opto Semiconductors GmbH Recent Developments/Updates

7.4.6 OSRAM Opto Semiconductors GmbH Competitive Strengths & Weaknesses

7.5 SAMSUNG

7.5.1 SAMSUNG Details

7.5.2 SAMSUNG Major Business

7.5.3 SAMSUNG Colloidal Quantum Dot Image Sensor Product and Services

7.5.4 SAMSUNG Colloidal Quantum Dot Image Sensor Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.5.5 SAMSUNG Recent Developments/Updates

7.5.6 SAMSUNG Competitive Strengths & Weaknesses

7.6 Merck KGaA

7.6.1 Merck KGaA Details

- 7.6.2 Merck KGaA Major Business
- 7.6.3 Merck KGaA Colloidal Quantum Dot Image Sensor Product and Services
- 7.6.4 Merck KGaA Colloidal Quantum Dot Image Sensor Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.6.5 Merck KGaA Recent Developments/Updates
- 7.6.6 Merck KGaA Competitive Strengths & Weaknesses
- 7.7 NN-LABS, LLC
  - 7.7.1 NN-LABS, LLC Details
  - 7.7.2 NN-LABS, LLC Major Business
  - 7.7.3 NN-LABS, LLC Colloidal Quantum Dot Image Sensor Product and Services
  - 7.7.4 NN-LABS, LLC Colloidal Quantum Dot Image Sensor Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.7.5 NN-LABS, LLC Recent Developments/Updates
  - 7.7.6 NN-LABS, LLC Competitive Strengths & Weaknesses
- 7.8 Central Quantum
  - 7.8.1 Central Quantum Details
  - 7.8.2 Central Quantum Major Business
  - 7.8.3 Central Quantum Colloidal Quantum Dot Image Sensor Product and Services
  - 7.8.4 Central Quantum Colloidal Quantum Dot Image Sensor Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.8.5 Central Quantum Recent Developments/Updates
  - 7.8.6 Central Quantum Competitive Strengths & Weaknesses
- 7.9 Ocean NanoTech
  - 7.9.1 Ocean NanoTech Details
  - 7.9.2 Ocean NanoTech Major Business
  - 7.9.3 Ocean NanoTech Colloidal Quantum Dot Image Sensor Product and Services
  - 7.9.4 Ocean NanoTech Colloidal Quantum Dot Image Sensor Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.9.5 Ocean NanoTech Recent Developments/Updates
  - 7.9.6 Ocean NanoTech Competitive Strengths & Weaknesses
- 7.10 Nanoco Group plc
  - 7.10.1 Nanoco Group plc Details
  - 7.10.2 Nanoco Group plc Major Business
  - 7.10.3 Nanoco Group plc Colloidal Quantum Dot Image Sensor Product and Services
  - 7.10.4 Nanoco Group plc Colloidal Quantum Dot Image Sensor Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.10.5 Nanoco Group plc Recent Developments/Updates
  - 7.10.6 Nanoco Group plc Competitive Strengths & Weaknesses

## **8 INDUSTRY CHAIN ANALYSIS**

8.1 Colloidal Quantum Dot Image Sensor Industry Chain

8.2 Colloidal Quantum Dot Image Sensor Upstream Analysis

8.2.1 Colloidal Quantum Dot Image Sensor Core Raw Materials

8.2.2 Main Manufacturers of Colloidal Quantum Dot Image Sensor Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 Colloidal Quantum Dot Image Sensor Production Mode

8.6 Colloidal Quantum Dot Image Sensor Procurement Model

8.7 Colloidal Quantum Dot Image Sensor Industry Sales Model and Sales Channels

8.7.1 Colloidal Quantum Dot Image Sensor Sales Model

8.7.2 Colloidal Quantum Dot Image Sensor Typical Customers

## **9 RESEARCH FINDINGS AND CONCLUSION**

## **10 APPENDIX**

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Colloidal Quantum Dot Image Sensor Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Colloidal Quantum Dot Image Sensor Production Value by Region (2018-2023) & (USD Million)

Table 3. World Colloidal Quantum Dot Image Sensor Production Value by Region (2024-2029) & (USD Million)

Table 4. World Colloidal Quantum Dot Image Sensor Production Value Market Share by Region (2018-2023)

Table 5. World Colloidal Quantum Dot Image Sensor Production Value Market Share by Region (2024-2029)

Table 6. World Colloidal Quantum Dot Image Sensor Production by Region (2018-2023) & (K Units)

Table 7. World Colloidal Quantum Dot Image Sensor Production by Region (2024-2029) & (K Units)

Table 8. World Colloidal Quantum Dot Image Sensor Production Market Share by Region (2018-2023)

Table 9. World Colloidal Quantum Dot Image Sensor Production Market Share by Region (2024-2029)

Table 10. World Colloidal Quantum Dot Image Sensor Average Price by Region (2018-2023) & (US\$/Unit)

Table 11. World Colloidal Quantum Dot Image Sensor Average Price by Region (2024-2029) & (US\$/Unit)

Table 12. Colloidal Quantum Dot Image Sensor Major Market Trends

Table 13. World Colloidal Quantum Dot Image Sensor Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)

Table 14. World Colloidal Quantum Dot Image Sensor Consumption by Region (2018-2023) & (K Units)

Table 15. World Colloidal Quantum Dot Image Sensor Consumption Forecast by Region (2024-2029) & (K Units)

Table 16. World Colloidal Quantum Dot Image Sensor Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Colloidal Quantum Dot Image Sensor Producers in 2022

Table 18. World Colloidal Quantum Dot Image Sensor Production by Manufacturer (2018-2023) & (K Units)

Table 19. Production Market Share of Key Colloidal Quantum Dot Image Sensor Producers in 2022

Table 20. World Colloidal Quantum Dot Image Sensor Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global Colloidal Quantum Dot Image Sensor Company Evaluation Quadrant

Table 22. World Colloidal Quantum Dot Image Sensor Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Colloidal Quantum Dot Image Sensor Production Site of Key Manufacturer

Table 24. Colloidal Quantum Dot Image Sensor Market: Company Product Type Footprint

Table 25. Colloidal Quantum Dot Image Sensor Market: Company Product Application Footprint

Table 26. Colloidal Quantum Dot Image Sensor Competitive Factors

Table 27. Colloidal Quantum Dot Image Sensor New Entrant and Capacity Expansion Plans

Table 28. Colloidal Quantum Dot Image Sensor Mergers & Acquisitions Activity

Table 29. United States VS China Colloidal Quantum Dot Image Sensor Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Colloidal Quantum Dot Image Sensor Production Comparison, (2018 & 2022 & 2029) & (K Units)

Table 31. United States VS China Colloidal Quantum Dot Image Sensor Consumption Comparison, (2018 & 2022 & 2029) & (K Units)

Table 32. United States Based Colloidal Quantum Dot Image Sensor Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Colloidal Quantum Dot Image Sensor Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Colloidal Quantum Dot Image Sensor Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Colloidal Quantum Dot Image Sensor Production (2018-2023) & (K Units)

Table 36. United States Based Manufacturers Colloidal Quantum Dot Image Sensor Production Market Share (2018-2023)

Table 37. China Based Colloidal Quantum Dot Image Sensor Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Colloidal Quantum Dot Image Sensor Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Colloidal Quantum Dot Image Sensor Production Value Market Share (2018-2023)



Table 40. China Based Manufacturers Colloidal Quantum Dot Image Sensor Production (2018-2023) & (K Units)

Table 41. China Based Manufacturers Colloidal Quantum Dot Image Sensor Production Market Share (2018-2023)

Table 42. Rest of World Based Colloidal Quantum Dot Image Sensor Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Colloidal Quantum Dot Image Sensor Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Colloidal Quantum Dot Image Sensor Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Colloidal Quantum Dot Image Sensor Production (2018-2023) & (K Units)

Table 46. Rest of World Based Manufacturers Colloidal Quantum Dot Image Sensor Production Market Share (2018-2023)

Table 47. World Colloidal Quantum Dot Image Sensor Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Colloidal Quantum Dot Image Sensor Production by Type (2018-2023) & (K Units)

Table 49. World Colloidal Quantum Dot Image Sensor Production by Type (2024-2029) & (K Units)

Table 50. World Colloidal Quantum Dot Image Sensor Production Value by Type (2018-2023) & (USD Million)

Table 51. World Colloidal Quantum Dot Image Sensor Production Value by Type (2024-2029) & (USD Million)

Table 52. World Colloidal Quantum Dot Image Sensor Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World Colloidal Quantum Dot Image Sensor Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World Colloidal Quantum Dot Image Sensor Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Colloidal Quantum Dot Image Sensor Production by Application (2018-2023) & (K Units)

Table 56. World Colloidal Quantum Dot Image Sensor Production by Application (2024-2029) & (K Units)

Table 57. World Colloidal Quantum Dot Image Sensor Production Value by Application (2018-2023) & (USD Million)

Table 58. World Colloidal Quantum Dot Image Sensor Production Value by Application (2024-2029) & (USD Million)

Table 59. World Colloidal Quantum Dot Image Sensor Average Price by Application

(2018-2023) & (US\$/Unit)

Table 60. World Colloidal Quantum Dot Image Sensor Average Price by Application  
(2024-2029) & (US\$/Unit)

Table 61. Quantum Solutions Basic Information, Manufacturing Base and Competitors

Table 62. Quantum Solutions Major Business

Table 63. Quantum Solutions Colloidal Quantum Dot Image Sensor Product and  
Services

Table 64. Quantum Solutions Colloidal Quantum Dot Image Sensor Production (K  
Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market  
Share (2018-2023)

Table 65. Quantum Solutions Recent Developments/Updates

Table 66. Quantum Solutions Competitive Strengths & Weaknesses

Table 67. QD Laser Basic Information, Manufacturing Base and Competitors

Table 68. QD Laser Major Business

Table 69. QD Laser Colloidal Quantum Dot Image Sensor Product and Services

Table 70. QD Laser Colloidal Quantum Dot Image Sensor Production (K Units), Price  
(US\$/Unit), Production Value (USD Million), Gross Margin and Market Share  
(2018-2023)

Table 71. QD Laser Recent Developments/Updates

Table 72. QD Laser Competitive Strengths & Weaknesses

Table 73. InVisage Basic Information, Manufacturing Base and Competitors

Table 74. InVisage Major Business

Table 75. InVisage Colloidal Quantum Dot Image Sensor Product and Services

Table 76. InVisage Colloidal Quantum Dot Image Sensor Production (K Units), Price  
(US\$/Unit), Production Value (USD Million), Gross Margin and Market Share  
(2018-2023)

Table 77. InVisage Recent Developments/Updates

Table 78. InVisage Competitive Strengths & Weaknesses

Table 79. OSRAM Opto Semiconductors GmbH Basic Information, Manufacturing Base  
and Competitors

Table 80. OSRAM Opto Semiconductors GmbH Major Business

Table 81. OSRAM Opto Semiconductors GmbH Colloidal Quantum Dot Image Sensor  
Product and Services

Table 82. OSRAM Opto Semiconductors GmbH Colloidal Quantum Dot Image Sensor  
Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin  
and Market Share (2018-2023)

Table 83. OSRAM Opto Semiconductors GmbH Recent Developments/Updates

Table 84. OSRAM Opto Semiconductors GmbH Competitive Strengths & Weaknesses

Table 85. SAMSUNG Basic Information, Manufacturing Base and Competitors



Table 86. SAMSUNG Major Business

Table 87. SAMSUNG Colloidal Quantum Dot Image Sensor Product and Services

Table 88. SAMSUNG Colloidal Quantum Dot Image Sensor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. SAMSUNG Recent Developments/Updates

Table 90. SAMSUNG Competitive Strengths & Weaknesses

Table 91. Merck KGaA Basic Information, Manufacturing Base and Competitors

Table 92. Merck KGaA Major Business

Table 93. Merck KGaA Colloidal Quantum Dot Image Sensor Product and Services

Table 94. Merck KGaA Colloidal Quantum Dot Image Sensor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Merck KGaA Recent Developments/Updates

Table 96. Merck KGaA Competitive Strengths & Weaknesses

Table 97. NN-LABS, LLC Basic Information, Manufacturing Base and Competitors

Table 98. NN-LABS, LLC Major Business

Table 99. NN-LABS, LLC Colloidal Quantum Dot Image Sensor Product and Services

Table 100. NN-LABS, LLC Colloidal Quantum Dot Image Sensor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. NN-LABS, LLC Recent Developments/Updates

Table 102. NN-LABS, LLC Competitive Strengths & Weaknesses

Table 103. Central Quantum Basic Information, Manufacturing Base and Competitors

Table 104. Central Quantum Major Business

Table 105. Central Quantum Colloidal Quantum Dot Image Sensor Product and Services

Table 106. Central Quantum Colloidal Quantum Dot Image Sensor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Central Quantum Recent Developments/Updates

Table 108. Central Quantum Competitive Strengths & Weaknesses

Table 109. Ocean NanoTech Basic Information, Manufacturing Base and Competitors

Table 110. Ocean NanoTech Major Business

Table 111. Ocean NanoTech Colloidal Quantum Dot Image Sensor Product and Services

Table 112. Ocean NanoTech Colloidal Quantum Dot Image Sensor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. Ocean NanoTech Recent Developments/Updates

Table 114. Nanoco Group plc Basic Information, Manufacturing Base and Competitors

Table 115. Nanoco Group plc Major Business

Table 116. Nanoco Group plc Colloidal Quantum Dot Image Sensor Product and Services

Table 117. Nanoco Group plc Colloidal Quantum Dot Image Sensor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 118. Global Key Players of Colloidal Quantum Dot Image Sensor Upstream (Raw Materials)

Table 119. Colloidal Quantum Dot Image Sensor Typical Customers

Table 120. Colloidal Quantum Dot Image Sensor Typical Distributors

List of Figure

Figure 1. Colloidal Quantum Dot Image Sensor Picture

Figure 2. World Colloidal Quantum Dot Image Sensor Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Colloidal Quantum Dot Image Sensor Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Colloidal Quantum Dot Image Sensor Production (2018-2029) & (K Units)

Figure 5. World Colloidal Quantum Dot Image Sensor Average Price (2018-2029) & (US\$/Unit)

Figure 6. World Colloidal Quantum Dot Image Sensor Production Value Market Share by Region (2018-2029)

Figure 7. World Colloidal Quantum Dot Image Sensor Production Market Share by Region (2018-2029)

Figure 8. North America Colloidal Quantum Dot Image Sensor Production (2018-2029) & (K Units)

Figure 9. Europe Colloidal Quantum Dot Image Sensor Production (2018-2029) & (K Units)

Figure 10. China Colloidal Quantum Dot Image Sensor Production (2018-2029) & (K Units)

Figure 11. Japan Colloidal Quantum Dot Image Sensor Production (2018-2029) & (K Units)

Figure 12. South Korea Colloidal Quantum Dot Image Sensor Production (2018-2029) & (K Units)

Figure 13. Colloidal Quantum Dot Image Sensor Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Colloidal Quantum Dot Image Sensor Consumption (2018-2029) & (K

Units)

Figure 16. World Colloidal Quantum Dot Image Sensor Consumption Market Share by Region (2018-2029)

Figure 17. United States Colloidal Quantum Dot Image Sensor Consumption (2018-2029) & (K Units)

Figure 18. China Colloidal Quantum Dot Image Sensor Consumption (2018-2029) & (K Units)

Figure 19. Europe Colloidal Quantum Dot Image Sensor Consumption (2018-2029) & (K Units)

Figure 20. Japan Colloidal Quantum Dot Image Sensor Consumption (2018-2029) & (K Units)

Figure 21. South Korea Colloidal Quantum Dot Image Sensor Consumption (2018-2029) & (K Units)

Figure 22. ASEAN Colloidal Quantum Dot Image Sensor Consumption (2018-2029) & (K Units)

Figure 23. India Colloidal Quantum Dot Image Sensor Consumption (2018-2029) & (K Units)

Figure 24. Producer Shipments of Colloidal Quantum Dot Image Sensor by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for Colloidal Quantum Dot Image Sensor Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for Colloidal Quantum Dot Image Sensor Markets in 2022

Figure 27. United States VS China: Colloidal Quantum Dot Image Sensor Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Colloidal Quantum Dot Image Sensor Production Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: Colloidal Quantum Dot Image Sensor Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 30. United States Based Manufacturers Colloidal Quantum Dot Image Sensor Production Market Share 2022

Figure 31. China Based Manufacturers Colloidal Quantum Dot Image Sensor Production Market Share 2022

Figure 32. Rest of World Based Manufacturers Colloidal Quantum Dot Image Sensor Production Market Share 2022

Figure 33. World Colloidal Quantum Dot Image Sensor Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 34. World Colloidal Quantum Dot Image Sensor Production Value Market Share by Type in 2022

Figure 35. Resistance Strain

Figure 36. Piezoresistive

Figure 37. World Colloidal Quantum Dot Image Sensor Production Market Share by Type (2018-2029)

Figure 38. World Colloidal Quantum Dot Image Sensor Production Value Market Share by Type (2018-2029)

Figure 39. World Colloidal Quantum Dot Image Sensor Average Price by Type (2018-2029) & (US\$/Unit)

Figure 40. World Colloidal Quantum Dot Image Sensor Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 41. World Colloidal Quantum Dot Image Sensor Production Value Market Share by Application in 2022

Figure 42. Aerospace & Defense

Figure 43. Consumer Electronics

Figure 44. Healthcare

Figure 45. Others

Figure 46. World Colloidal Quantum Dot Image Sensor Production Market Share by Application (2018-2029)

Figure 47. World Colloidal Quantum Dot Image Sensor Production Value Market Share by Application (2018-2029)

Figure 48. World Colloidal Quantum Dot Image Sensor Average Price by Application (2018-2029) & (US\$/Unit)

Figure 49. Colloidal Quantum Dot Image Sensor Industry Chain

Figure 50. Colloidal Quantum Dot Image Sensor Procurement Model

Figure 51. Colloidal Quantum Dot Image Sensor Sales Model

Figure 52. Colloidal Quantum Dot Image Sensor Sales Channels, Direct Sales, and Distribution

Figure 53. Methodology

Figure 54. Research Process and Data Source

## I would like to order

Product name: Global Colloidal Quantum Dot Image Sensor Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/G07EA3CBB2DAEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G07EA3CBB2DAEN.html>