

Global Quantum Dot Display Market Size study, by Component (Tube, Film and LED), by Material (Cadmium containing and Cadmium free), by Application (Consumer Electronics and Healthcare), and Regional Forecasts 2021-2027

<https://marketpublishers.com/r/G3D374CF8223EN.html>

Date: October 2021

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G3D374CF8223EN

Abstracts

Global Quantum Dot Display Market is valued approximately at USD XX billion in 2020 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2021-2027. A quantum dot is a nanometer-sized semiconductor particle with a core-shell structure. Quantum dots are widely used for their unique optical properties, as they emit light of specific wavelengths if energy is applied to them. A layer or film of quantum dots is placed in front of regular LED backlight panel to make it quantum dot display. This layer is made up of tiny particles each tiny particle emits its own individual color depending on its size, that is, in between 2 and 10 nanometers. Growing sale of display devices such as television, wearable devices, smartphone and others are increasing the utilization of quantum dot display. Quantum dot (QD) light-emitting diodes (QLEDs) offer unique characteristics for future displays, including high color purity with narrow bandwidths, high electroluminescence (EL) brightness at low operating voltages, and easy processability, which makes it useful technology for devices such as wearables. According to Statista, number of connected wearable devices worldwide has increased from 722 million in 2019 to 835 million in 2020. Also, according to India Cellular & Electronics Association, smartphone penetration in India was reported in 2019 at 500 million smartphone users, which is expected to swell to 820 million by 2022. Also, quantum dot display is widely used for biological imaging, detection and targeting applications. Furthermore, increasing demand for high-resolution displays with lower power consumption requirements and technological advancements are expected to fuel demand for quantum dots display during forecast period. However, high cost of quantum dot technology and stringent regulations on the

use of heavy metals in quantum dot display may hinder the growth in coming years.

North America is leading the world market in terms of market share among Asia Pacific, North America, Europe, Latin America, and Rest of the World, owing to early adoption of quantum dot technology. Whereas, Asia Pacific is expected to show fastest growth rate during forecast period, due to presence of large number of electronic display manufacturers coupled with low labor cost in the region.

Major market player included in this report are:

Sony Corporation
Altair Nanotechnologies, Inc.
LG Display Co. Ltd
Nexus Lighting
Quantum Material Corporation
Samsung Electronics Co. Ltd
Nanoco Technologies
QD Vision
Nanosys, Inc.
Ocean NanoTech

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Component:

Tube
Film
LED

By Material:

Cadmium containing
Cadmium free

By Application:

Consumer Electronics
Healthcare

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027.

Target Audience of the Global Quantum Dot Display Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2027 (USD Billion)
 - 1.2.1. Quantum Dot Display Market, by region, 2019-2027 (USD Billion)
 - 1.2.2. Quantum Dot Display Market, by Component, 2019-2027 (USD Billion)
 - 1.2.3. Quantum Dot Display Market, by Material, 2019-2027 (USD Billion)
 - 1.2.4. Quantum Dot Display Market, by Application, 2019-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL QUANTUM DOT DISPLAY MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL QUANTUM DOT DISPLAY MARKET DYNAMICS

- 3.1. Quantum Dot Display Market Impact Analysis (2019-2027)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Growing sale of display devices
 - 3.1.1.2. Widely used for biological imaging, detection and targeting applications
 - 3.1.2. Market Restraint
 - 3.1.2.1. High cost of quantum dot technology
 - 3.1.2.2. Stringent regulations on the use of heavy metals in quantum dot display
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Technological advancements
 - 3.1.3.2. Increasing demand for high-resolution displays with lower power consumption requirements

CHAPTER 4. GLOBAL QUANTUM DOT DISPLAY MARKET: INDUSTRY ANALYSIS

Global Quantum Dot Display Market Size study, by Component (Tube, Film and LED), by Material (Cadmium containi...

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2027)
- 4.2. PEST Analysis
 - 4.2.1. Political
 - 4.2.2. Economic
 - 4.2.3. Social
 - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL QUANTUM DOT DISPLAY MARKET, BY COMPONENT

- 5.1. Market Snapshot
- 5.2. Global Quantum Dot Display Market by Component, Performance - Potential Analysis
- 5.3. Global Quantum Dot Display Market Estimates & Forecasts by Component 2018-2027 (USD Billion)
- 5.4. Quantum Dot Display Market, Sub Segment Analysis
 - 5.4.1. Tube
 - 5.4.2. Film
 - 5.4.3. LED

CHAPTER 6. GLOBAL QUANTUM DOT DISPLAY MARKET, BY MATERIAL

- a. Market Snapshot
 - 6.1. Global Quantum Dot Display Market by Material, Performance - Potential Analysis
 - 6.2. Global Quantum Dot Display Market Estimates & Forecasts by Material 2018-2027 (USD Billion)
 - 6.3. Quantum Dot Display Market, Sub Segment Analysis
 - 6.3.1. Cadmium containing
 - 6.3.2. Cadmium free

CHAPTER 7. GLOBAL QUANTUM DOT DISPLAY MARKET, BY APPLICATION

Global Quantum Dot Display Market Size study, by Component (Tube, Film and LED), by Material (Cadmium containi...

b. Market Snapshot

7.1. Global Quantum Dot Display Market by Application, Performance - Potential Analysis

7.2. Global Quantum Dot Display Market Estimates & Forecasts by Application 2018-2027 (USD Billion)

7.3. Quantum Dot Display Market, Sub Segment Analysis

7.3.1. Consumer Electronics

7.3.2. Healthcare

CHAPTER 8. GLOBAL QUANTUM DOT DISPLAY MARKET, REGIONAL ANALYSIS

8.1. Quantum Dot Display Market, Regional Market Snapshot

8.2. North America Quantum Dot Display Market

8.2.1. U.S. Quantum Dot Display Market

8.2.1.1. Component breakdown estimates & forecasts, 2018-2027

8.2.1.2. Material breakdown estimates & forecasts, 2018-2027

8.2.1.3. Application breakdown estimates & forecasts, 2018-2027

8.2.2. Canada Quantum Dot Display Market

8.3. Europe Quantum Dot Display Market Snapshot

8.3.1. U.K. Quantum Dot Display Market

8.3.2. Germany Quantum Dot Display Market

8.3.3. France Quantum Dot Display Market

8.3.4. Spain Quantum Dot Display Market

8.3.5. Italy Quantum Dot Display Market

8.3.6. Rest of Europe Quantum Dot Display Market

8.4. Asia-Pacific Quantum Dot Display Market Snapshot

8.4.1. China Quantum Dot Display Market

8.4.2. India Quantum Dot Display Market

8.4.3. Japan Quantum Dot Display Market

8.4.4. Australia Quantum Dot Display Market

8.4.5. South Korea Quantum Dot Display Market

8.4.6. Rest of Asia Pacific Quantum Dot Display Market

8.5. Latin America Quantum Dot Display Market Snapshot

8.5.1. Brazil Quantum Dot Display Market

8.5.2. Mexico Quantum Dot Display Market

8.6. Rest of The World Quantum Dot Display Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Top Market Strategies
- 9.2. Company Profiles
 - 9.2.1. Sony Corporation
 - 9.2.1.1. Key Information
 - 9.2.1.2. Overview
 - 9.2.1.3. Financial (Subject to Data Availability)
 - 9.2.1.4. Product Summary
 - 9.2.1.5. Recent Developments
 - 9.2.2. Altair Nanotechnologies, Inc.
 - 9.2.3. LG Display Co. Ltd
 - 9.2.4. Nexxus Lighting
 - 9.2.5. Quantum Material Corporation
 - 9.2.6. Samsung Electronics Co. Ltd
 - 9.2.7. Nanoco Technologies
 - 9.2.8. QD Vision
 - 9.2.9. Nanosys, Inc.
 - 9.2.10. Ocean NanoTech

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 2. Global Quantum Dot Display Market, report scope

TABLE 3. Global Quantum Dot Display Market Estimates & forecasts by region
2018-2027 (USD Billion)

TABLE 4. Global Quantum Dot Display Market Estimates & forecasts by Component
2018-2027 (USD Billion)

TABLE 5. Global Quantum Dot Display Market Estimates & forecasts by Material
2018-2027 (USD Billion)

TABLE 6. Global Quantum Dot Display Market Estimates & forecasts by Application
2018-2027 (USD Billion)

TABLE 7. Global Quantum Dot Display Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 8. Global Quantum Dot Display Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 9. Global Quantum Dot Display Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 10. Global Quantum Dot Display Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 11. Global Quantum Dot Display Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 12. Global Quantum Dot Display Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 13. Global Quantum Dot Display Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 14. Global Quantum Dot Display Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 15. Global Quantum Dot Display Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 16. Global Quantum Dot Display Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 17. Global Quantum Dot Display Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 18. Global Quantum Dot Display Market by region, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 19. Global Quantum Dot Display Market by segment, estimates & forecasts,
2018-2027 (USD Billion)

TABLE 20. Global Quantum Dot Display Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 21. Global Quantum Dot Display Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 22. Global Quantum Dot Display Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 23. U.S. Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)

TABLE 24. U.S. Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 25. U.S. Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 26. Canada Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)

TABLE 27. Canada Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 28. Canada Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 29. UK Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)

TABLE 30. UK Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 31. UK Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 32. Germany Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)

TABLE 33. Germany Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 34. Germany Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 35. France Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)

TABLE 36. France Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 37. France Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 38. Spain Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)

TABLE 39. Spain Quantum Dot Display Market Estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 40. Spain Quantum Dot Display Market Estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 41. Italy Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)

TABLE 42. Italy Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 43. Italy Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 44. ROE Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)

TABLE 45. ROE Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 46. ROE Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 47. China Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)

TABLE 48. China Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 49. China Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 50. India Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)

TABLE 51. India Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 52. India Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 53. Japan Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)

TABLE 54. Japan Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 55. Japan Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 56. Australia Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)

TABLE 57. Australia Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 58. Australia Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)

- TABLE 59. South Korea Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 60. South Korea Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 61. South Korea Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 62. ROPAC Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 63. ROPAC Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 64. ROPAC Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 65. Brazil Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 66. Brazil Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 67. Brazil Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 68. Mexico Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 69. Mexico Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 70. Mexico Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 71. ROLA Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 72. ROLA Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 73. ROLA Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 74. ROW Quantum Dot Display Market Estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 75. ROW Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 76. ROW Quantum Dot Display Market Estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 77. List of secondary sources used in the study of global Quantum Dot Display Market .
- TABLE 78. List of primary sources used in the study of global Quantum Dot Display

Market .

TABLE 79. Years considered for the study.

TABLE 80. Exchange rates considered.

List Of Figures

LIST OF FIGURES

- FIG 1. Global Quantum Dot Display Market, research methodology
- FIG 2. Global Quantum Dot Display Market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Quantum Dot Display Market, key trends 2020
- FIG 5. Global Quantum Dot Display Market, growth prospects 2021-2027
- FIG 6. Global Quantum Dot Display Market, porters 5 force model
- FIG 7. Global Quantum Dot Display Market, pest analysis
- FIG 8. Global Quantum Dot Display Market, value chain analysis
- FIG 9. Global Quantum Dot Display Market by segment, 2018 & 2027 (USD Billion)
- FIG 10. Global Quantum Dot Display Market by segment, 2018 & 2027 (USD Billion)
- FIG 11. Global Quantum Dot Display Market by segment, 2018 & 2027 (USD Billion)
- FIG 12. Global Quantum Dot Display Market by segment, 2018 & 2027 (USD Billion)
- FIG 13. Global Quantum Dot Display Market by segment, 2018 & 2027 (USD Billion)
- FIG 14. Global Quantum Dot Display Market by segment, 2018 & 2027 (USD Billion)
- FIG 15. Global Quantum Dot Display Market by segment, 2018 & 2027 (USD Billion)
- FIG 16. Global Quantum Dot Display Market by segment, 2018 & 2027 (USD Billion)
- FIG 17. Global Quantum Dot Display Market, regional snapshot 2018 & 2027
- FIG 18. North America Quantum Dot Display Market 2018 & 2027 (USD Billion)
- FIG 19. Europe Quantum Dot Display Market 2018 & 2027 (USD Billion)
- FIG 20. Asia-Pacific Quantum Dot Display Market 2018 & 2027 (USD Billion)
- FIG 21. Latin America Quantum Dot Display Market 2018 & 2027 (USD Billion)
- FIG 22. Global Quantum Dot Display Market, company market share analysis (2020)

I would like to order

Product name: Global Quantum Dot Display Market Size study, by Component (Tube, Film and LED), by Material (Cadmium containing and Cadmium free), by Application (Consumer Electronics and Healthcare), and Regional Forecasts 2021-2027

Product link: <https://marketpublishers.com/r/G3D374CF8223EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G3D374CF8223EN.html>

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

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

****All fields are required**

Customer signature _____

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

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970