

Head Mounted Display (HMD) Market Analysis By Product (Helmet Mounted Display, Wearable Glass), By End-Use (Defense, Consumer), By Application (Imaging, Security, Tracking, Training & Simulation) And Segment Forecasts To 2020

<https://marketpublishers.com/r/HC96DDA690BEN.html>

Date: October 2014

Pages: 80

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

ID: HC96DDA690BEN

Abstracts

The global head mounted display market is expected to reach USD 11,793.3 million by 2020. Reducing silicon wafer costs have directly impacted microdisplay prices, which form a sizable percentage of the resultant HMD cost. As a result, declining microdisplay prices coupled with growing demand for wearable, lightweight devices are expected to be key driving forces for the HMD market. Defense services are a key contributor to global demand, wherein head mounted displays aid in security, imaging and tracking.

Head mounted displays offer high degree of mobility and computing power, which has led to increasing market penetration in the consumer sector. Growing demand from automotive prototyping is expected to be a key opportunity for industry participants. Lack of standardization resulting in design issues may restrain market growth over the next six years. This can be mitigated with the help of establishment of necessary guidelines for HMD production.

Further key findings from the study suggest:

Helmet mounted displays accounted for over 60% of the head mounted display market in 2013; these products are expected lose market share due to growing popularity of wearable glass. They are expected to continue enjoying widespread use in defense applications over the next six years.

Defense accounted for over 70% of the head mounted display market in 2013, and is

expected to remain the dominant end-use segment over the forecast period. HMDs prove highly efficient during training regimes and in locations with poor visibility. Increasing popularity of augmented and virtual reality is expected to drive the consumer segment over the next six years.

Training and simulation is expected to continue accounting for majority of the overall market through 2020. This is a result of the growing use of HMDs in medical as well as military training modules.

North America accounted for over 35% of the global HMD market in 2013; Asia Pacific is expected to exhibit high growth over the forecast period. Establishment of manufacturing facilities along with technology advancement due to the presence of Japan, South Korea and China is expected to fuel regional market growth.

Key companies operating in the market include eMagin Corporation, BAE Systems, Vuzix, Rockwell Collins and Seiko Epson. Major manufacturers have started developing products targeted at entertainment purposes; additionally, geographical expansion is expected to be a key growth strategy.

For the purpose of this study, Grand View Research has segmented the global HMD market on the basis of product, end-use, application and region:

HMD Product Outlook (Revenue, USD Million, 2012 – 2020)

Helmet Mounted Display

Wearable Glass

HMD End-Use Outlook (Revenue, USD Million, 2012 – 2020)

Defense

Consumer

Augmented Reality

Virtual Reality

Video Gaming

Others

HMD Application Outlook (Revenue, USD Million, 2012 – 2020)

Imaging

Security

Tracking

Training & Simulation

HMD Regional Outlook (Revenue, USD Million, 2012 – 2020)

North America

Europe

Asia Pacific

RoW

Contents

CHAPTER 1. EXECUTIVE SUMMARY

1.1. HMD - Industry Summary and Critical Success Factors (CSFs)

CHAPTER 2. HMD INDUSTRY OUTLOOK

2.1. Market Segmentation

2.2. Market Size and Growth Prospects

2.3. HMD Value Chain Analysis

2.4. HMD Market Dynamics

2.4.1. Market Driver Analysis

2.4.1.1. High demand from defense applications

2.4.1.2. Lightweight HMD development

2.4.1.3. Growing prototyping demand

2.4.1.4. Reducing microdisplay prices

2.4.2. Market Restraint Analysis

2.4.2.1. Low degree of awareness

2.4.2.2. Need for standardization

2.5. Key Opportunities Prioritized

2.6. Industry Analysis - Porter's

2.7. HMD - Key Company Analysis, 2013

2.8. HMD Market PESTEL Analysis, 2013

CHAPTER 3. HMD PRODUCT OUTLOOK

3.1. Helmet mounted display

3.1.1. Global market estimates and forecasts, (USD Million), 2012 - 2020

3.2. Wearable glass

3.2.1. Global market estimates and forecasts, (USD Million), 2012 - 2020

CHAPTER 4. HMD END-USE OUTLOOK

4.1. Defense

4.1.1. Global market estimates and forecasts, (USD Million), 2012 – 2020

4.2. Consumer

4.2.1. Global market estimates and forecasts, (USD Million), 2012 - 2020

4.2.2. Augmented reality

- 4.2.2.1. Global market estimates and forecasts, (USD Million), 2012 - 2020
- 4.2.3. Virtual reality
 - 4.2.3.1. Global market estimates and forecasts, (USD Million), 2012 - 2020
- 4.2.4. Video gaming
 - 4.2.4.1. Global market estimates and forecasts, (USD Million), 2012 - 2020
- 4.3. Others
 - 4.3.1. Global market estimates and forecasts, (USD Million), 2012 - 2020

CHAPTER 5. HMD APPLICATION OUTLOOK

- 5.1. Imaging
 - 5.1.1. Global market estimates and forecasts, (USD Million), 2012 – 2020
- 5.2. Security
 - 5.2.1. Global market estimates and forecasts, (USD Million), 2012 - 2020
- 5.3. Tracking
 - 5.3.1. Global market estimates and forecasts, (USD Million), 2012 - 2020
- 5.4. Training & Simulation
 - 5.4.1. Global market estimates and forecasts, (USD Million), 2012 - 2020

CHAPTER 6. HMD REGIONAL OUTLOOK

- 6.1. North America
 - 6.1.1. HMD market, by product, (USD Million), 2012 - 2020
 - 6.1.2. HMD market, by application, (USD Million), 2012 - 2020
 - 6.1.3. HMD market, by end-use, (USD Million), 2012 – 2020
- 6.2. Europe
 - 6.2.1. HMD market, by product, (USD Million), 2012 - 2020
 - 6.2.2. HMD market, by application, (USD Million), 2012 - 2020
 - 6.2.3. HMD market, by end-use, (USD Million), 2012 – 2020
- 6.3. Asia Pacific
 - 6.3.1. HMD market, by product, (USD Million), 2012 - 2020
 - 6.3.2. HMD market, by application, (USD Million), 2012 - 2020
 - 6.3.3. HMD market, by end-use, (USD Million), 2012 – 2020
- 6.4. RoW
 - 6.4.1. HMD market, by product, (USD Million), 2012 - 2020
 - 6.4.2. HMD market, by application, (USD Million), 2012 - 2020
 - 6.4.3. HMD market, by end-use, (USD Million), 2012 – 2020

CHAPTER 7. COMPETITIVE LANDSCAPE

7.1 BAE Systems

- 7.1.1 Company Overview
- 7.1.2 Financial Performance
- 7.1.3 Product Benchmarking
- 7.1.4 Strategic Initiatives

7.2 eMagin Corporation

- 7.2.1 Company Overview
- 7.2.2 Financial Performance
- 7.2.3 Product Benchmarking
- 7.2.4 Strategic Initiatives

7.3 Epson

- 7.3.1 Company Overview
- 7.3.2 Financial Performance
- 7.3.3 Product Benchmarking
- 7.3.4 Strategic Initiatives

7.4 Google, Inc.

- 7.4.1 Company Overview
- 7.4.2 Financial Performance
- 7.4.3 Product Benchmarking
- 7.4.4 Strategic Initiatives

7.5 Kopin Corporation

- 7.5.1 Company Overview
- 7.5.2 Financial Performance
- 7.5.3 Product Benchmarking
- 7.5.4 Strategic Initiatives

7.6 NEC Corporation

- 7.6.1 Company Overview
- 7.6.2 Financial Performance
- 7.6.3 Product Benchmarking
- 7.6.4 Strategic Initiatives

7.7 Oculus VR

- 7.7.1 Company Overview
- 7.7.2 Financial Performance
- 7.7.3 Product Benchmarking
- 7.7.4 Strategic Initiatives

7.8 Recon Instruments, Inc.

- 7.8.1 Company Overview
- 7.8.2 Financial Performance

- 7.8.3 Product Benchmarking
- 7.8.4 Strategic Initiatives
- 7.9 Rockwell Collins
 - 7.9.1 Company Overview
 - 7.9.2 Financial Performance
 - 7.9.3 Product Benchmarking
 - 7.9.4 Strategic Initiatives
- 7.10 Sensics, Inc.
 - 7.10.1 Company Overview
 - 7.10.2 Financial Performance
 - 7.10.3 Product Benchmarking
 - 7.10.4 Strategic Initiatives
- 7.11 Sony Corporation
 - 7.11.1 Company Overview
 - 7.11.2 Financial Performance
 - 7.11.3 Product Benchmarking
 - 7.11.4 Strategic Initiatives
- 7.12 Thales Group
 - 7.12.1 Company Overview
 - 7.12.2 Financial Performance
 - 7.12.3 Product Benchmarking
 - 7.12.4 Strategic Initiatives
- 7.13 Vuzix Corporation
 - 7.13.1 Company Overview
 - 7.13.2 Financial Performance
 - 7.13.3 Product Benchmarking
 - 7.13.4 Strategic Initiatives

CHAPTER 8. METHODOLOGY AND SCOPE

- 8.1. Research Methodology
- 8.2. Research Scope & Assumption
- 8.3. List of Data Sources
- Companies analyzed in 1 Chapter

1 BAE SYSTEMS

2 EMAGIN CORPORATION

3 EPSON

4 GOOGLE, INC.

5 KOPIN CORPORATION

6 NEC CORPORATION

7 OCULUS VR

8 RECON INSTRUMENTS, INC.

9 ROCKWELL COLLINS

10 SENSICS, INC.

11 SONY CORPORATION

12 THALES GROUP

13 VUZIX

List Of Tables

LIST OF TABLES

1. HMD – Industry Summary & Critical Success Factors (CSFs)
2. Global HMD market (USD Million), 2012 – 2020
3. Global HMD market by region (USD Million), 2012 – 2020
4. Global HMD market by product (USD Million), 2012 – 2020
5. Global HMD market by application (USD Million), 2012 – 2020
6. Global HMD market by end-use (USD Million), 2012 – 2020
7. Global helmet mounted display demand, (USD Million), 2012-2020
8. Global helmet mounted display demand, by region, (USD Million), 2012-2020
9. Global wearable glass demand, (USD Million), 2012-2020
10. Global wearable glass demand, by region, (USD Million), 2012-2020
11. Global HMD demand in defense (USD Million), 2012 – 2020
12. Global HMD demand in defense, by region, (USD Million), 2012 – 2020
13. Global HMD demand in consumer sector (USD Million), 2012 – 2020
14. Global HMD demand in consumer sector, by region, (USD Million), 2012 – 2020
15. Global HMD demand in augmented reality (USD Million), 2012 – 2020
16. Global HMD demand in virtual reality, (USD Million), 2012 – 2020
17. Global HMD demand in video gaming (USD Million), 2012 – 2020
18. Global HMD demand in other end-use industries (USD Million), 2012 – 2020
19. Global HMD demand in other end-use industries, by region, (USD Million), 2012 – 2020
20. Global HMD demand in imaging (USD Million), 2012 – 2020
21. Global HMD demand in imaging, by region, (USD Million), 2012 – 2020
22. Global HMD demand in security (USD Million), 2012 – 2020
23. Global HMD demand in security, by region, (USD Million), 2012 – 2020
24. Global HMD demand in tracking (USD Million), 2012 – 2020
25. Global HMD demand in tracking, by region, (USD Million), 2012 – 2020
26. Global HMD demand in training and simulation (USD Million), 2012 – 2020
27. Global HMD demand in training and simulation, by region, (USD Million), 2012 – 2020
28. North America HMD market by product (USD Million), 2012 – 2020
29. North America HMD market by application (USD Million), 2012 – 2020
30. North America HMD market by end-use (USD Million), 2012 – 2020
31. Europe HMD market by product (USD Million), 2012 – 2020
32. Europe HMD market by application (USD Million), 2012 – 2020
33. Europe HMD market by end-use (USD Million), 2012 – 2020

34. Asia Pacific HMD market by product (USD Million), 2012 – 2020
35. Asia Pacific HMD market by application (USD Million), 2012 – 2020
36. Asia Pacific HMD market by end-use (USD Million), 2012 – 2020
37. RoW HMD market by product (USD Million), 2012 – 2020
38. RoW HMD market by application (USD Million), 2012 – 2020
39. RoW HMD market by end-use (USD Million), 2012 – 2020

List Of Figures

LIST OF FIGURES

1. HMD Market Segmentation
2. Global HMD market (USD Million), 2012 – 2020
3. HMD value chain analysis
4. HMD market dynamics
5. HMD - Key company analysis, 2013
6. Key Opportunities Prioritized
7. Industry Analysis - Porter's
8. HMD PESTEL Analysis, 2013
9. HMD market share by product, 2013 & 2020
10. Global helmet mounted display demand, (USD Million), 2012-2020
11. Global wearable glass demand, (USD Million), 2012-2020
12. HMD market share by end-use, 2013 & 2020
13. Global HMD demand in defense, (USD Million), 2012-2020
14. Global HMD demand in consumer sector, (USD Million), 2012-2020
15. Global HMD demand in other end-use industries, (USD Million), 2012-2020
16. HMD market share by application, 2013 & 2020
17. Global HMD demand in imaging, (USD Million), 2012-2020
18. Global HMD demand in security, (USD Million), 2012-2020
19. Global HMD demand in tracking, (USD Million), 2012-2020
20. Global HMD demand in training and simulation, (USD Million), 2012-2020
21. HMD market share by region, 2013 & 2020
22. North America HMD market by product (USD Million), 2012 – 2020
23. North America HMD market by application (USD Million), 2012 – 2020
24. North America HMD market by end-use (USD Million), 2012 – 2020
25. Europe HMD market by product (USD Million), 2012 – 2020
26. Europe HMD market by application (USD Million), 2012 – 2020
27. Europe HMD market by end-use (USD Million), 2012 – 2020
28. Asia Pacific HMD market by product (USD Million), 2012 – 2020
29. Asia Pacific HMD market by application (USD Million), 2012 – 2020
30. Asia Pacific HMD market by end-use (USD Million), 2012 – 2020
31. RoW HMD market by product (USD Million), 2012 – 2020
32. RoW HMD market by application (USD Million), 2012 – 2020
33. RoW HMD market by end-use (USD Million), 2012 – 2020

I would like to order

Product name: Head Mounted Display (HMD) Market Analysis By Product (Helmet Mounted Display, Wearable Glass), By End-Use (Defense, Consumer), By Application (Imaging, Security, Tracking, Training & Simulation) And Segment Forecasts To 2020

Product link: <https://marketpublishers.com/r/HC96DDA690BEN.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/HC96DDA690BEN.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