

Global Emotion Detection and Recognition (EDR) Market Size study & Forecast, by Component (Software (Facial Expression Recognition, Speech & Voice Recognition) and Services), Application Area, End User, Vertical and Regional Forecasts 2025-2035

<https://marketpublishers.com/r/G9BF97315AA6EN.html>

Date: September 2025

Pages: 285

Price: US\$ 3,750.00 (Single User License)

ID: G9BF97315AA6EN

Abstracts

The Global Emotion Detection and Recognition (EDR) Market is valued at approximately USD 29.9 billion in 2024 and is anticipated to grow at a CAGR of 12.80% over the forecast period 2025-2035. Emotion Detection and Recognition is a set of advanced technologies leveraging AI, machine learning, computer vision, and natural language processing to identify, interpret, and analyze human emotions through facial expressions, speech patterns, and physiological signals. It enables businesses and institutions to create more personalized experiences, enhance customer engagement, and improve decision-making in sectors ranging from security and healthcare to retail and automotive. The market's acceleration is primarily driven by the rising demand for human-machine interaction, the proliferation of wearable devices and IoT-enabled sensors, and the adoption of emotionally intelligent AI across multiple industries.

The increasing reliance on automation and AI-driven customer service has further amplified the significance of Emotion Detection and Recognition. With organizations striving to improve user satisfaction and engagement, EDR solutions are being actively deployed in call centers, healthcare diagnostics, and smart devices to provide context-aware responses. According to industry analysts, enterprises implementing EDR tools report measurable improvements in customer loyalty and operational efficiency. Additionally, government investments in surveillance, security, and public safety programs are fostering widespread adoption of emotion recognition technologies. Nonetheless, ethical challenges around data privacy, bias in AI models, and the need for robust regulatory frameworks remain key factors that may hinder market expansion.

during the forecast period.

The detailed segments and sub-segments included in the report are:

By Component:

Software

– Facial Expression Recognition

– Speech & Voice Recognition

Services

By Application Area:

(Various industry-specific application areas)

By End User:

(Different categories of end users)

By Vertical:

(Multiple vertical industries adopting EDR solutions)

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

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Software Solutions are Expected to Dominate the Market

The software segment, particularly facial expression recognition and speech & voice recognition technologies, is expected to command the largest market share during the forecast horizon. This dominance is attributed to the widespread adoption of software platforms that can integrate seamlessly with existing systems and provide scalable solutions for real-time analytics. Businesses across verticals are prioritizing software-based EDR tools to gain actionable insights into consumer behavior, enhance brand loyalty, and optimize product development strategies. Services, though crucial for customization and support, are projected to grow steadily, but the sheer demand for advanced algorithms and machine learning-driven recognition capabilities keeps software in the lead.

Facial Expression Recognition Leads in Revenue Contribution

When analyzed by sub-segment, facial expression recognition currently generates the lion's share of revenue within the EDR market. This technology's ability to detect micro-expressions, track subtle behavioral cues, and deliver high accuracy has positioned it as the most commercially successful application. Its prominence is visible across industries such as security, retail, and automotive, where real-time emotion mapping enhances customer experience and safety. Meanwhile, speech and voice recognition are gaining rapid traction, especially in smart assistants, call centers, and automotive infotainment systems. While facial recognition dominates revenue today, the accelerating use of voice-based technologies suggests a balanced growth trajectory for both sub-segments in the coming years.

The key regions considered for the Global Emotion Detection and Recognition Market study include North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa. North America held the dominant market share in 2025, underpinned by its advanced technology infrastructure, early adoption of AI innovations, and robust

investments by leading EDR vendors. Government support for surveillance and security systems has also strengthened its position. On the other hand, Asia Pacific is forecasted to grow at the fastest pace, propelled by increasing digital adoption, booming e-commerce, and smart city projects in countries like China, India, and Japan. Europe, with its strong regulatory environment and demand for ethical AI practices, remains a critical region fostering innovation while maintaining compliance.

Major market players included in this report are:

Microsoft Corporation

Affectiva (Smart Eye AB)

NEC Corporation

IBM Corporation

Amazon Web Services, Inc.

Realeyes O?

Apple Inc.

Google LLC (Alphabet Inc.)

Sentiance NV

Cognitec Systems GmbH

Tobii AB

Nviso SA

Elliptic Labs

Beyond Verbal Communication Ltd.

Kairos AR, Inc.

Global Emotion Detection and Recognition (EDR) Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent to up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

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

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of the geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of the competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL EMOTION DETECTION AND RECOGNITION (EDR) MARKET REPORT SCOPE & METHODOLOGY

- 1.1. Research Objective
- 1.2. Research Methodology
 - 1.2.1. Forecast Model
 - 1.2.2. Desk Research
 - 1.2.3. Top Down and Bottom-Up Approach
- 1.3. Research Attributes
- 1.4. Scope of the Study
 - 1.4.1. Market Definition
 - 1.4.2. Market Segmentation
- 1.5. Research Assumption
 - 1.5.1. Inclusion & Exclusion
 - 1.5.2. Limitations
 - 1.5.3. Years Considered for the Study

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. CEO/CXO Standpoint
- 2.2. Strategic Insights
- 2.3. ESG Analysis
- 2.4. key Findings

CHAPTER 3. GLOBAL EMOTION DETECTION AND RECOGNITION (EDR) MARKET FORCES ANALYSIS

- 3.1. Market Forces Shaping The Global Emotion Detection and Recognition (EDR) Market (2024-2035)
- 3.2. Drivers
 - 3.2.1. Rising demand for human-machine interaction
 - 3.2.2. Proliferation of wearable devices and IoT-enabled sensors
- 3.3. Restraints
 - 3.3.1. Ethical challenges around data privacy
- 3.4. Opportunities
 - 3.4.1. Increasing reliance on automation and AI-driven customer service

CHAPTER 4. GLOBAL EMOTION DETECTION AND RECOGNITION (EDR) MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Forces Model
 - 4.1.1. Bargaining Power of Buyer
 - 4.1.2. Bargaining Power of Supplier
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Forecast Model (2024-2035)
- 4.3. PESTEL Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top Investment Opportunities
- 4.5. Top Winning Strategies (2025)
- 4.6. Market Share Analysis (2024-2025)
- 4.7. Global Pricing Analysis And Trends 2025
- 4.8. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL EMOTION DETECTION AND RECOGNITION (EDR) MARKET SIZE & FORECASTS BY COMPONENT 2025-2035

- 5.1. Market Overview
- 5.2. Global Emotion Detection and Recognition (EDR) Market Performance - Potential Analysis (2025)
- 5.3. Software
 - 5.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 5.3.2. Market size analysis, by region, 2025-2035
- 5.4. Services
 - 5.4.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 5.4.2. Market size analysis, by region, 2025-2035

CHAPTER 6. GLOBAL EMOTION DETECTION AND RECOGNITION (EDR) MARKET SIZE & FORECASTS BY APPLICATION AREA 2025-2035

- 6.1. Market Overview
- 6.2. Global Emotion Detection and Recognition (EDR) Market Performance - Potential Analysis (2025)
- 6.3. Various industry-specific application areas
 - 6.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 6.3.2. Market size analysis, by region, 2025-2035

CHAPTER 7. GLOBAL EMOTION DETECTION AND RECOGNITION (EDR) MARKET SIZE & FORECASTS BY END USER 2025–2035

- 7.1. Market Overview
- 7.2. Global Emotion Detection and Recognition (EDR) Market Performance - Potential Analysis (2025)
- 7.3. Different categories of end users
 - 7.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 7.3.2. Market size analysis, by region, 2025-2035

CHAPTER 8. GLOBAL EMOTION DETECTION AND RECOGNITION (EDR) MARKET SIZE & FORECASTS BY VERTICAL 2025–2035

- 8.1. Market Overview
- 8.2. Global Emotion Detection and Recognition (EDR) Market Performance - Potential Analysis (2025)
- 8.3. Multiple vertical industries adopting EDR solutions
 - 8.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 8.3.2. Market size analysis, by region, 2025-2035

CHAPTER 9. GLOBAL EMOTION DETECTION AND RECOGNITION (EDR) MARKET SIZE & FORECASTS BY REGION 2025–2035

- 9.1. Growth Emotion Detection and Recognition (EDR) Market, Regional Market Snapshot
- 9.2. Top Leading & Emerging Countries
- 9.3. North America Emotion Detection and Recognition (EDR) Market
 - 9.3.1. U.S. Emotion Detection and Recognition (EDR) Market
 - 9.3.1.1. Component breakdown size & forecasts, 2025-2035
 - 9.3.1.2. Application Area breakdown size & forecasts, 2025-2035
 - 9.3.1.3. End User breakdown size & forecasts, 2025-2035
 - 9.3.1.4. Vertical breakdown size & forecasts, 2025-2035

- 9.3.2. Canada Emotion Detection and Recognition (EDR) Market
 - 9.3.2.1. Component breakdown size & forecasts, 2025-2035
 - 9.3.2.2. Application Area breakdown size & forecasts, 2025-2035
 - 9.3.2.3. End User breakdown size & forecasts, 2025-2035
 - 9.3.2.4. Vertical breakdown size & forecasts, 2025-2035
- 9.4. Europe Emotion Detection and Recognition (EDR) Market
 - 9.4.1. UK Emotion Detection and Recognition (EDR) Market
 - 9.4.1.1. Component breakdown size & forecasts, 2025-2035
 - 9.4.1.2. Application Area breakdown size & forecasts, 2025-2035
 - 9.4.1.3. End User breakdown size & forecasts, 2025-2035
 - 9.4.1.4. Vertical breakdown size & forecasts, 2025-2035
 - 9.4.2. Germany Emotion Detection and Recognition (EDR) Market
 - 9.4.2.1. Component breakdown size & forecasts, 2025-2035
 - 9.4.2.2. Application Area breakdown size & forecasts, 2025-2035
 - 9.4.2.3. End User breakdown size & forecasts, 2025-2035
 - 9.4.2.4. Vertical breakdown size & forecasts, 2025-2035
 - 9.4.3. France Emotion Detection and Recognition (EDR) Market
 - 9.4.3.1. Component breakdown size & forecasts, 2025-2035
 - 9.4.3.2. Application Area breakdown size & forecasts, 2025-2035
 - 9.4.3.3. End User breakdown size & forecasts, 2025-2035
 - 9.4.3.4. Vertical breakdown size & forecasts, 2025-2035
 - 9.4.4. Spain Emotion Detection and Recognition (EDR) Market
 - 9.4.4.1. Component breakdown size & forecasts, 2025-2035
 - 9.4.4.2. Application Area breakdown size & forecasts, 2025-2035
 - 9.4.4.3. End User breakdown size & forecasts, 2025-2035
 - 9.4.4.4. Vertical breakdown size & forecasts, 2025-2035
 - 9.4.5. Italy Emotion Detection and Recognition (EDR) Market
 - 9.4.5.1. Component breakdown size & forecasts, 2025-2035
 - 9.4.5.2. Application Area breakdown size & forecasts, 2025-2035
 - 9.4.5.3. End User breakdown size & forecasts, 2025-2035
 - 9.4.5.4. Vertical breakdown size & forecasts, 2025-2035
 - 9.4.6. Rest of Europe Emotion Detection and Recognition (EDR) Market
 - 9.4.6.1. Component breakdown size & forecasts, 2025-2035
 - 9.4.6.2. Application Area breakdown size & forecasts, 2025-2035
 - 9.4.6.3. End User breakdown size & forecasts, 2025-2035
 - 9.4.6.4. Vertical breakdown size & forecasts, 2025-2035
 - 9.5. Asia Pacific Emotion Detection and Recognition (EDR) Market
 - 9.5.1. China Emotion Detection and Recognition (EDR) Market
 - 9.5.1.1. Component breakdown size & forecasts, 2025-2035

- 9.5.1.2. Application Area breakdown size & forecasts, 2025-2035
- 9.5.1.3. End User breakdown size & forecasts, 2025-2035
- 9.5.1.4. Vertical breakdown size & forecasts, 2025-2035
- 9.5.2. India Emotion Detection and Recognition (EDR) Market
 - 9.5.2.1. Component breakdown size & forecasts, 2025-2035
 - 9.5.2.2. Application Area breakdown size & forecasts, 2025-2035
 - 9.5.2.3. End User breakdown size & forecasts, 2025-2035
 - 9.5.2.4. Vertical breakdown size & forecasts, 2025-2035
- 9.5.3. Japan Emotion Detection and Recognition (EDR) Market
 - 9.5.3.1. Component breakdown size & forecasts, 2025-2035
 - 9.5.3.2. Application Area breakdown size & forecasts, 2025-2035
 - 9.5.3.3. End User breakdown size & forecasts, 2025-2035
 - 9.5.3.4. Vertical breakdown size & forecasts, 2025-2035
- 9.5.4. Australia Emotion Detection and Recognition (EDR) Market
 - 9.5.4.1. Component breakdown size & forecasts, 2025-2035
 - 9.5.4.2. Application Area breakdown size & forecasts, 2025-2035
 - 9.5.4.3. End User breakdown size & forecasts, 2025-2035
 - 9.5.4.4. Vertical breakdown size & forecasts, 2025-2035
- 9.5.5. South Korea Emotion Detection and Recognition (EDR) Market
 - 9.5.5.1. Component breakdown size & forecasts, 2025-2035
 - 9.5.5.2. Application Area breakdown size & forecasts, 2025-2035
 - 9.5.5.3. End User breakdown size & forecasts, 2025-2035
 - 9.5.5.4. Vertical breakdown size & forecasts, 2025-2035
- 9.5.6. Rest of APAC Emotion Detection and Recognition (EDR) Market
 - 9.5.6.1. Component breakdown size & forecasts, 2025-2035
 - 9.5.6.2. Application Area breakdown size & forecasts, 2025-2035
 - 9.5.6.3. End User breakdown size & forecasts, 2025-2035
 - 9.5.6.4. Vertical breakdown size & forecasts, 2025-2035
- 9.6. Latin America Emotion Detection and Recognition (EDR) Market
 - 9.6.1. Brazil Emotion Detection and Recognition (EDR) Market
 - 9.6.1.1. Component breakdown size & forecasts, 2025-2035
 - 9.6.1.2. Application Area breakdown size & forecasts, 2025-2035
 - 9.6.1.3. End User breakdown size & forecasts, 2025-2035
 - 9.6.1.4. Vertical breakdown size & forecasts, 2025-2035
 - 9.6.2. Mexico Emotion Detection and Recognition (EDR) Market
 - 9.6.2.1. Component breakdown size & forecasts, 2025-2035
 - 9.6.2.2. Application Area breakdown size & forecasts, 2025-2035
 - 9.6.2.3. End User breakdown size & forecasts, 2025-2035
 - 9.6.2.4. Vertical breakdown size & forecasts, 2025-2035

9.7. Middle East and Africa Emotion Detection and Recognition (EDR) Market

9.7.1. UAE Emotion Detection and Recognition (EDR) Market

9.7.1.1. Component breakdown size & forecasts, 2025-2035

9.7.1.2. Application Area breakdown size & forecasts, 2025-2035

9.7.1.3. End User breakdown size & forecasts, 2025-2035

9.7.1.4. Vertical breakdown size & forecasts, 2025-2035

9.7.2. Saudi Arabia (KSA) Emotion Detection and Recognition (EDR) Market

9.7.2.1. Component breakdown size & forecasts, 2025-2035

9.7.2.2. Application Area breakdown size & forecasts, 2025-2035

9.7.2.3. End User breakdown size & forecasts, 2025-2035

9.7.2.4. Vertical breakdown size & forecasts, 2025-2035

9.7.3. South Africa Emotion Detection and Recognition (EDR) Market

9.7.3.1. Component breakdown size & forecasts, 2025-2035

9.7.3.2. Application Area breakdown size & forecasts, 2025-2035

9.7.3.3. End User breakdown size & forecasts, 2025-2035

9.7.3.4. Vertical breakdown size & forecasts, 2025-2035

CHAPTER 10. COMPETITIVE INTELLIGENCE

10.1. Top Market Strategies

10.2. Microsoft Corporation

10.2.1. Company Overview

10.2.2. Key Executives

10.2.3. Company Snapshot

10.2.4. Financial Performance (Subject to Data Availability)

10.2.5. Product/Services Port

10.2.6. Recent Development

10.2.7. Market Strategies

10.2.8. SWOT Analysis

10.3. Affectiva (Smart Eye AB)

10.4. NEC Corporation

10.5. IBM Corporation

10.6. Amazon Web Services, Inc.

10.7. Realeyes O?

10.8. Apple Inc.

10.9. Google LLC (Alphabet Inc.)

10.10. Sentiance NV

10.11. Cognitec Systems GmbH

10.12. Tobii AB

10.13. Nviso SA

10.14. Elliptic Labs

10.15. Beyond Verbal Communication Ltd.

10.16. Kairos AR, Inc.

List Of Tables

LIST OF TABLES

- Table 1. Global Emotion Detection and Recognition (EDR) Market, Report Scope
- Table 2. Global Emotion Detection and Recognition (EDR) Market Estimates & Forecasts By Region 2024–2035
- Table 3. Global Emotion Detection and Recognition (EDR) Market Estimates & Forecasts By Segment 2024–2035
- Table 4. Global Emotion Detection and Recognition (EDR) Market Estimates & Forecasts By Segment 2024–2035
- Table 5. Global Emotion Detection and Recognition (EDR) Market Estimates & Forecasts By Segment 2024–2035
- Table 6. Global Emotion Detection and Recognition (EDR) Market Estimates & Forecasts By Segment 2024–2035
- Table 7. Global Emotion Detection and Recognition (EDR) Market Estimates & Forecasts By Segment 2024–2035
- Table 8. U.S. Emotion Detection and Recognition (EDR) Market Estimates & Forecasts, 2024–2035
- Table 9. Canada Emotion Detection and Recognition (EDR) Market Estimates & Forecasts, 2024–2035
- Table 10. UK Emotion Detection and Recognition (EDR) Market Estimates & Forecasts, 2024–2035
- Table 11. Germany Emotion Detection and Recognition (EDR) Market Estimates & Forecasts, 2024–2035
- Table 12. France Emotion Detection and Recognition (EDR) Market Estimates & Forecasts, 2024–2035
- Table 13. Spain Emotion Detection and Recognition (EDR) Market Estimates & Forecasts, 2024–2035
- Table 14. Italy Emotion Detection and Recognition (EDR) Market Estimates & Forecasts, 2024–2035
- Table 15. Rest Of Europe Emotion Detection and Recognition (EDR) Market Estimates & Forecasts, 2024–2035
- Table 16. China Emotion Detection and Recognition (EDR) Market Estimates & Forecasts, 2024–2035
- Table 17. India Emotion Detection and Recognition (EDR) Market Estimates & Forecasts, 2024–2035
- Table 18. Japan Emotion Detection and Recognition (EDR) Market Estimates & Forecasts, 2024–2035

Table 19. Australia Emotion Detection and Recognition (EDR) Market Estimates & Forecasts, 2024–2035

Table 20. South Korea Emotion Detection and Recognition (EDR) Market Estimates & Forecasts, 2024–2035

.....

List Of Figures

LIST OF FIGURES

Fig 1. Global Emotion Detection and Recognition (EDR) Market, Research Methodology

Fig 2. Global Emotion Detection and Recognition (EDR) Market, Market Estimation Techniques

Fig 3. Global Market Size Estimates & Forecast Methods

Fig 4. Global Emotion Detection and Recognition (EDR) Market, Key Trends 2025

Fig 5. Global Emotion Detection and Recognition (EDR) Market, Growth Prospects 2024–2035

Fig 6. Global Emotion Detection and Recognition (EDR) Market, Porter's Five Forces Model

Fig 7. Global Emotion Detection and Recognition (EDR) Market, Pestel Analysis

Fig 8. Global Emotion Detection and Recognition (EDR) Market, Value Chain Analysis

Fig 9. Emotion Detection and Recognition (EDR) Market By Application, 2025 & 2035

Fig 10. Emotion Detection and Recognition (EDR) Market By Segment, 2025 & 2035

Fig 11. Emotion Detection and Recognition (EDR) Market By Segment, 2025 & 2035

Fig 12. Emotion Detection and Recognition (EDR) Market By Segment, 2025 & 2035

Fig 13. Emotion Detection and Recognition (EDR) Market By Segment, 2025 & 2035

Fig 14. North America Emotion Detection and Recognition (EDR) Market, 2025 & 2035

Fig 15. Europe Emotion Detection and Recognition (EDR) Market, 2025 & 2035

Fig 16. Asia Pacific Emotion Detection and Recognition (EDR) Market, 2025 & 2035

Fig 17. Latin America Emotion Detection and Recognition (EDR) Market, 2025 & 2035

Fig 18. Middle East & Africa Emotion Detection and Recognition (EDR) Market, 2025 & 2035

Fig 19. Global Emotion Detection and Recognition (EDR) Market, Company Market Share Analysis (2025)

.....

I would like to order

Product name: Global Emotion Detection and Recognition (EDR) Market Size study & Forecast, by Component (Software (Facial Expression Recognition, Speech & Voice Recognition) and Services), Application Area, End User, Vertical and Regional Forecasts 2025-2035

Product link: <https://marketpublishers.com/r/G9BF97315AA6EN.html>

Price: US\$ 3,750.00 (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/G9BF97315AA6EN.html>