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Emotion Detection And Recognition Market Research Report- Global Forecast 2030

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Description:

Global Emotion Detection and Recognition Market Overview

The Emotion Detection and Recognition Market Size was valued at USD 2.01 Billion in 2022. The Emotion Detection and Recognition industry are projected to grow from USD 2.28 Billion in 2023 to USD 4.21 Billion by 2030, exhibiting a compound annual growth rate (CAGR) of 9.65% during the forecast period (2023 - 2030). Emotion detection and recognition is a technology used to identify and interpret human emotions through the analysis of facial expressions, vocal patterns, or body language. This technology is mainly used in the fields of psychology, market research, and customer experience management. It is achieved through the use of algorithms, machine learning, and artificial intelligence to analyze human behavior and identify emotional states such as happiness, anger, fear, sadness, and surprise. Emotion detection and recognition technology have a wide range of applications, including marketing research, human-computer interaction, and mental health assessments. The goal is to gain a deeper understanding of human emotions and to use that information to improve products, services, and customer experiences.

Global Emotion Detection and Recognition Market Overview
Source: Secondary Research, Primary Research, MRFR Database, and Analyst Review

Emotion Detection and Recognition Market Trends

- Internet of things technology boosts the growth of the market

The monitoring and controlling of all gadgets in line with a person's mood, emotions, and activities are also made possible by the internet of things technology. Without human interaction, certain devices can exchange information with one another. One such example is the input from a sensor that controls the output of an industrial process at a remote facility. The experimental stage of emotion-sensing technology is giving way to commercialization. As an illustration, consider how the conversation with Siri and the mood-tracking software (Moodnotes) convey emotions. This encourages the expansion of the emotion recognition and detection sector.

Emotion Detection and Recognition Market Segment Insights

Emotion Detection and Recognition Technology Insights

The market segmentation, based on Technology, includes Bio Sensors Technology, Machine Learning, Pattern Recognition, Feature Extraction and 3D Modelling, Natural Language Processing (NLP), and Others. The Machine Learning segment holds the majority share in 2022, contributing to the Emotion Detection and Recognition revenue. Machine learning is a subfield of artificial intelligence that enables systems to automatically improve their performance through experience. It is widely used in emotion detection and recognition as it allows for the development of algorithms that can accurately identify and interpret emotions based on complex and diverse data inputs.

Emotion Detection and Recognition Service Insights

Based on Service, the market segmentation includes Storage and Maintenance, Consulting, and Integration. The Consulting and Integration segment dominated the market. The segment includes companies that provide consulting services and support for the implementation of emotion detection and recognition solutions. The increasing demand for advanced emotional analysis solutions has led to a growing need for consulting and integration services, as organizations seek expert guidance in selecting, implementing, and integrating emotion detection and recognition systems into their operations.

Emotion Detection and Recognition Application Insights

Based on Application, the market segmentation includes Law Enforcement, Surveillance, and Monitoring, Marketing & Advertising, Media & Entertainment, and Others. The Law Enforcement segment is projected to be the faster-growing segment during the forecast period, 2023-2030. Emotion detection and recognition technology are being increasingly

adopted by law enforcement agencies for various purposes, including suspect interviews, crowd management, and public safety. The technology provides a non-intrusive way to assess the emotions and intentions of individuals, which can help improve decision-making and enhance public safety.

Figure 2: Emotion Detection and Recognition Market, by Application, 2022 & 2030 (USD Million)

Emotion Detection and Recognition Market, by Application, 2022 & 2030

Source: Secondary Research, Primary Research, MRFR Database, and Analyst Review

Emotion Detection and Recognition Regional Insights

By region, the study provides market insights into North America, Europe, Asia-Pacific, and the Rest of the World. North America is account for the largest share of the market. The region has a strong presence of technology companies and a high adoption rate of new technologies, which has led to an increased demand for emotion detection and recognition solutions in various industries, such as healthcare, retail, and entertainment. Additionally, the presence of leading universities and research institutions in the region has driven advancements in the field of emotion detection and recognition technology. The growing use of emotion detection and recognition in various industries, as the increasing awareness of its benefits, is expected to drive market growth in North America.

Figure 3: EMOTION DETECTION AND RECOGNITION MARKET SHARE BY REGION 2022 (%)

EMOTION DETECTION AND RECOGNITION MARKET SHARE BY REGION 2022

Source: Secondary Research, Primary Research, MRFR Database, and Analyst Review

Emotion Detection and Recognition Key Market Players & Competitive Insights

Major market players are spending a lot of money on R&D to increase their product lines, which will help the market grow even more. Market participants are also taking various strategic initiatives to grow their worldwide footprint, with key market developments such as new product launches, contractual agreements, mergers and acquisitions, increased investments, and collaboration with other organizations. Competitors in the Emotion Detection and Recognition industry must offer cost-effective items to expand and survive in an increasingly competitive and rising market environment.

Manufacturing locally to cut operating costs is one of the main business tactics manufacturers use in the Emotion Detection and Recognition industry to benefit customers and expand the market sector. Major market players, including Noldus, Realeyes, Viso, Sightcorp, and others, are attempting to increase market demand by funding R&D initiatives.

Noldus Information Technology creates software and hardware for behavioral and observational research. It also has integrated research laboratories and offers consultancy services. The Observer XT is a behavioral coding and analysis program; FaceReader is a facial expression analysis tool; Media Recorder is software for synchronous recording of several video streams; and Viso Software is a multi-room, multi-video recording, and playback tool. It also provides data acquisition systems for recording physiological measuring equipment that works with The Observer X.

Realeyes Data Services Ltd. provides facial expression measurement software. The company offers a tool that uses a camera to acquire insight into human behavior and expression, allowing businesses to better product branding.

Key Companies in the Emotion Detection and Recognition market include

- Emotient Affectiva
- Apple Company
- Kairos Ar. Inc
- NEC
- Noldus
- Realeyes
- Viso
- Sightcorp
- Skybiometry
- Sentiance

Emotion Detection and Recognition Industry Developments

February 2022 NEC announced a collaboration with SAP to accelerate NEC's corporate transformation (CX) and to co-create business opportunities. It will utilize the latest SAP solutions to accelerate CX, based on the results of the reforms it has made using SAP solutions.

August 2021 Apple announced an acquisition of Primephonic, which offers a remarkable listening experience with search and browse features tailored for classical music, high-quality audio, hand-selected professional recommendations, and in-depth contextual information on repertoire and recordings.

Emotion Detection and Recognition Market Segmentation

Emotion Detection and Recognition Technology Outlook

- Bio Sensors Technology
- Machine Learning
- Pattern Recognition
- Feature Extraction and 3D Modelling
- Natural Language Processing (NLP)
- Others

Emotion Detection and Recognition Service Outlook

- Storage and Maintenance
- Consulting and Integration

Emotion Detection and Recognition Application Outlook

- Law Enforcement
- Surveillance and Monitoring
- Marketing & Advertising
- Media & Entertainment
- Others

Emotion Detection and Recognition Regional Outlook

- North America
 - US
 - Canada
- Europe
 - Germany
 - France
 - UK
 - Italy
 - Spain
 - Rest of Europe
- Asia-Pacific
 - China
 - Japan
 - India
 - Australia
 - South Korea
 - Australia
 - Rest of Asia-Pacific

- Rest of the World

- Middle East

- Africa

- Latin America

Table of Content:

Contents

TABLE OF CONTENTS

1 MARKET INTRODUCTION

1.1 INTRODUCTION

1.2 SCOPE OF STUDY

1.2.1 RESEARCH OBJECTIVE

1.2.2 ASSUMPTIONS

1.2.3 LIMITATIONS

1.3 MARKET STRUCTURE

2 RESEARCH METHODOLOGY

2.1 RESEARCH TYPE

2.2 PRIMARY RESEARCH

2.3 SECONDARY RESEARCH

2.4 FORECAST MODEL

2.4.1 MARKET DATA COLLECTION, ANALYSIS & FORECAST

2.4.2 MARKET SIZE ESTIMATION

3 MARKET DYNAMICS

3.1 INTRODUCTION

3.2 MARKET DRIVERS

3.3 MARKET CHALLENGES

3.4 MARKET OPPORTUNITIES

3.5 MARKET RESTRAINTS

4 EXECUTIVE SUMMARY

5. MARKET FACTOR ANALYSIS

5.1 PORTER'S FIVE FORCES ANALYSIS

5.2 SUPPLY CHAIN ANALYSIS

6 EMOTION DETECTION AND RECOGNITION MARKET, BY SEGMENTS

6.1 INTRODUCTION

6.2 MARKET STATISTICS

6.2.1 BY TECHNOLOGY

6.2.1.1 BIO SENSORS TECHNOLOGY

6.2.1.2 PATTERN RECOGNITION

6.2.1.3 NATURAL LANGUAGE PROCESSING

6.2.1.4 FEATURE EXTRACTION AND 3D MODELLING

6.2.1.5 MACHINE LEARNING

6.2.1.6 OTHERS

6.2.2 BY SOFTWARE TOOL

6.2.2.1 SPEECH AND VOICE RECOGNITION

6.2.2.2 FACIAL EXPRESSION RECOGNITION

6.2.2.3 BIO SENSING SOFTWARE TOOLS AND APPS

6.2.3 BY SERVICE

6.2.3.1 STORAGE AND MAINTENANCE

6.2.3.2 CONSULTING AND INTEGRATION

6.2.4 BY APPLICATION

6.2.4.1 LAW ENFORCEMENT, SURVEILLANCE AND MONITORING

6.2.4.2 MARKETING & ADVERTISING

6.2.4.3 MEDIA & ENTERTAINMENT

6.2.4.4 OTHERS

6.2.5 BY END USER

6.2.5.1 INDUSTRIAL

6.2.5.2 COMMERCIAL

6.2.5.3 DEFENSE AND SECURITY AGENCY

6.2.5.4 ENTERPRISES

6.2.5.5 OTHERS

6.2.8 BY REGION

6.2.8.1 NORTH AMERICA

6.2.8.2 EUROPE

6.2.8.3 ASIA-PACIFIC

6.2.8.4 REST OF THE WORLD

7 COMPETITIVE ANALYSIS

7.1 MARKET SHARE ANALYSIS

7.2 COMPANY PROFILES

7.2.1 AFFECTIVA (U.S.)

7.2.2 EMOTIENT, AN APPLE COMPANY (U.S.)

7.2.3 EYERIS (U.S.)

7.2.4 KAIROS AR. INC. (U.S.)

7.2.5 NOLDUS (NETHERLANDS)

7.2.6 NVISIO. (SWITZERLAND)

7.2.7 REALEYES (U.K.)

7.2.8 SIGHTCORP (NETHERLANDS)

7.2.9 SENTIANCE (BELGIUM)

7.2.10 SKYBIOMETRY (LITHUANIA)

7.2.11 OTHERS

LIST OF TABLES

TABLE 1 EMOTION DETECTION AND RECOGNITION MARKET, BY TECHNOLOGY
TABLE 2 EMOTION DETECTION AND RECOGNITION MARKET, BY SOFTWARE TOOL
TABLE 3 EMOTION DETECTION AND RECOGNITION MARKET, BY SERVICE
TABLE 4 EMOTION DETECTION AND RECOGNITION MARKET, BY APPLICATION
TABLE 5 EMOTION DETECTION AND RECOGNITION MARKET, BY END USER
TABLE 6 EMOTION DETECTION AND RECOGNITION MARKET, BY REGIONS
TABLE 7 NORTH AMERICA EMOTION DETECTION AND RECOGNITION MARKET, BY TECHNOLOGY
TABLE 8 NORTH AMERICA EMOTION DETECTION AND RECOGNITION MARKET, BY SOFTWARE TOOL
TABLE 9 NORTH AMERICA EMOTION DETECTION AND RECOGNITION MARKET, BY SERVICE
TABLE 10 NORTH AMERICA EMOTION DETECTION AND RECOGNITION MARKET, BY APPLICATION
TABLE 11 NORTH AMERICA EMOTION DETECTION AND RECOGNITION MARKET, BY END USER
TABLE 12 U.S. EMOTION DETECTION AND RECOGNITION MARKET, BY TECHNOLOGY
TABLE 13 U.S. EMOTION DETECTION AND RECOGNITION MARKET, BY SOFTWARE TOOL
TABLE 14 U.S. EMOTION DETECTION AND RECOGNITION MARKET, BY SERVICE
TABLE 15 U.S. EMOTION DETECTION AND RECOGNITION MARKET, BY APPLICATION
TABLE 16 U.S. EMOTION DETECTION AND RECOGNITION MARKET, BY END USER
TABLE 17 CANADA EMOTION DETECTION AND RECOGNITION MARKET, BY TECHNOLOGY
TABLE 18 CANADA EMOTION DETECTION AND RECOGNITION MARKET, BY SOFTWARE TOOL
TABLE 19 CANADA EMOTION DETECTION AND RECOGNITION MARKET, BY SERVICE
TABLE 20 CANADA EMOTION DETECTION AND RECOGNITION MARKET, BY APPLICATION
TABLE 21 CANADA EMOTION DETECTION AND RECOGNITION MARKET, BY END USER
TABLE 22 GERMANY EMOTION DETECTION AND RECOGNITION MARKET, BY TECHNOLOGY
TABLE 23 GERMANY EMOTION DETECTION AND RECOGNITION MARKET, BY SOFTWARE TOOL
TABLE 24 GERMANY EMOTION DETECTION AND RECOGNITION MARKET, BY SERVICE
TABLE 25 GERMANY EMOTION DETECTION AND RECOGNITION MARKET, BY APPLICATION
TABLE 26 GERMANY EMOTION DETECTION AND RECOGNITION MARKET, BY END USER
TABLE 27 U.K. EMOTION DETECTION AND RECOGNITION MARKET, BY TECHNOLOGY
TABLE 28 U.K. EMOTION DETECTION AND RECOGNITION MARKET, BY SOFTWARE TOOL
TABLE 29 U.K. EMOTION DETECTION AND RECOGNITION MARKET, BY SERVICE
TABLE 30 U.K. EMOTION DETECTION AND RECOGNITION MARKET, BY APPLICATION
TABLE 31 U.K. EMOTION DETECTION AND RECOGNITION MARKET, BY END USER
TABLE 32 EUROPE EMOTION DETECTION AND RECOGNITION MARKET, BY TECHNOLOGY
TABLE 33 EUROPE EMOTION DETECTION AND RECOGNITION MARKET, BY SOFTWARE TOOL
TABLE 34 EUROPE EMOTION DETECTION AND RECOGNITION MARKET, BY SERVICE
TABLE 35 EUROPE EMOTION DETECTION AND RECOGNITION MARKET, BY APPLICATION
TABLE 36 EUROPE EMOTION DETECTION AND RECOGNITION MARKET, BY END USER
TABLE 37 FRANCE EMOTION DETECTION AND RECOGNITION MARKET, BY TECHNOLOGY
TABLE 38 FRANCE EMOTION DETECTION AND RECOGNITION MARKET, BY SOFTWARE TOOL
TABLE 39 FRANCE EMOTION DETECTION AND RECOGNITION MARKET, BY SERVICE
TABLE 40 FRANCE EMOTION DETECTION AND RECOGNITION MARKET, BY APPLICATION
TABLE 41 FRANCE EMOTION DETECTION AND RECOGNITION MARKET, BY END USER
TABLE 42 ASIA-PACIFIC EMOTION DETECTION AND RECOGNITION MARKET, BY TECHNOLOGY
TABLE 43 ASIA-PACIFIC EMOTION DETECTION AND RECOGNITION MARKET, BY SOFTWARE TOOL
TABLE 44 ASIA-PACIFIC EMOTION DETECTION AND RECOGNITION MARKET, BY SERVICE
TABLE 45 ASIA-PACIFIC EMOTION DETECTION AND RECOGNITION MARKET, BY APPLICATION
TABLE 46 ASIA-PACIFIC EMOTION DETECTION AND RECOGNITION MARKET, BY END USER
TABLE 47 REST OF THE WORLD EMOTION DETECTION AND RECOGNITION MARKET, BY TECHNOLOGY
TABLE 48 REST OF THE WORLD EMOTION DETECTION AND RECOGNITION MARKET, BY SOFTWARE TOOL
TABLE 49 REST OF THE WORLD EMOTION DETECTION AND RECOGNITION MARKET, BY SERVICE
TABLE 50 REST OF THE WORLD EMOTION DETECTION AND RECOGNITION MARKET, BY APPLICATION
TABLE 51 REST OF THE WORLD EMOTION DETECTION AND RECOGNITION MARKET, BY END USER

LIST OF FIGURES

FIGURE 1 RESEARCH TYPE
FIGURE 2 EMOTION DETECTION AND RECOGNITION MARKET, BY TECHNOLOGY (%)
FIGURE 3 EMOTION DETECTION AND RECOGNITION MARKET, BY SOFTWARE TOOL (%)
FIGURE 4 EMOTION DETECTION AND RECOGNITION MARKET, BY SERVICE (%)
FIGURE 5 EMOTION DETECTION AND RECOGNITION MARKET, BY APPLICATION (%)
FIGURE 6 EMOTION DETECTION AND RECOGNITION MARKET, BY END USER (%)
FIGURE 7 EMOTION DETECTION AND RECOGNITION MARKET, BY REGIONS (%)
FIGURE 8 NORTH AMERICA EMOTION DETECTION AND RECOGNITION MARKET, BY TECHNOLOGY (%)
FIGURE 9 NORTH AMERICA EMOTION DETECTION AND RECOGNITION MARKET, BY SOFTWARE TOOL (%)
FIGURE 10 NORTH AMERICA EMOTION DETECTION AND RECOGNITION MARKET, BY SERVICE (%)
FIGURE 11 NORTH AMERICA EMOTION DETECTION AND RECOGNITION MARKET, BY APPLICATION (%)
FIGURE 12 NORTH AMERICA EMOTION DETECTION AND RECOGNITION MARKET, BY END USER (%)
FIGURE 13 EUROPE EMOTION DETECTION AND RECOGNITION MARKET, BY TECHNOLOGY (%)
FIGURE 14 EUROPE EMOTION DETECTION AND RECOGNITION MARKET, BY SOFTWARE TOOL (%)
FIGURE 15 EUROPE EMOTION DETECTION AND RECOGNITION MARKET, BY SERVICE (%)
FIGURE 16 EUROPE EMOTION DETECTION AND RECOGNITION MARKET, BY APPLICATION (%)
FIGURE 17 EUROPE EMOTION DETECTION AND RECOGNITION MARKET, BY END USER (%)
FIGURE 18 ASIA-PACIFIC EMOTION DETECTION AND RECOGNITION MARKET, BY TECHNOLOGY (%)
FIGURE 19 ASIA-PACIFIC EMOTION DETECTION AND RECOGNITION MARKET, BY SOFTWARE TOOL (%)
FIGURE 20 ASIA-PACIFIC EMOTION DETECTION AND RECOGNITION MARKET, BY SERVICE (%)
FIGURE 21 ASIA PACIFIC EMOTION DETECTION AND RECOGNITION MARKET, BY APPLICATION (%)
FIGURE 22 ASIA PACIFIC EMOTION DETECTION AND RECOGNITION MARKET, BY END USER (%)
FIGURE 23 REST OF THE WORLD EMOTION DETECTION AND RECOGNITION MARKET, BY TECHNOLOGY (%)
FIGURE 24 REST OF THE WORLD EMOTION DETECTION AND RECOGNITION MARKET, BY SOFTWARE TOOL (%)
FIGURE 25 REST OF THE WORLD EMOTION DETECTION AND RECOGNITION MARKET, BY SERVICE (%)
FIGURE 26 REST OF THE WORLD EMOTION DETECTION AND RECOGNITION MARKET, APPLICATION (%)
FIGURE 27 REST OF THE WORLD EMOTION DETECTION AND RECOGNITION MARKET, END USER (%)