

# **Emotion Detection and Recognition Market by Software Tool (Facial Expression & Emotion Recognition, Gesture & Posture Recognition, and Voice Recognition), Application (Law Enforcement, Surveillance, & Monitoring; Entertainment & Consumer Electronics; Marketing & Advertising; and Others), Technology (Pattern Recognition Network, Machine Learning, Natural Language Processing, and Others), and End User (Commercial, Industrial, Defense, and Others) - Global Opportunity Analysis and Industry Forecast, 2017-2023**

<https://marketpublishers.com/r/E2CA66C79D4EN.html>

Date: September 2017

Pages: 130

Price: US\$ 4,999.00 (Single User License)

ID: E2CA66C79D4EN

## **Abstracts**

In a software program, emotion recognition provides advanced image processing and allows a program to 'read' the emotions of a human face. This procedure involves recognition of a person's emotional state such as anger, sadness, fear, joy, disgust, surprise, trust, and others. Key players focus on combining image processing techniques with sophisticated algorithms to understand more about a person's feeling with the help of facial images or videos.

Rapid growth in Internet of Things technology, rise in popularity of wearable technology, and high smartphone penetration worldwide drive the global emotion recognition and detection market. However, high cost of application, numerous functional requirements, misinterpretation in analysis of emotions restricts the emotion recognition and detection market growth. Moreover, adoption of cloud-based technology presents a major opportunity for market expansion.

The global emotion detection and recognition market is segmented on the basis of

software tool, application, technology, end user, and region. Based on software tool, it is divided into facial expression & emotion recognition, gesture & posture recognition, and voice recognition. Based on application, the emotion recognition and detection industry is classified into law enforcement, surveillance, & monitoring; entertainment & consumer electronics; marketing & advertising; and others (e-learning and video games). The technology segment includes pattern recognition network, machine learning, natural language processing, and others (bio-sensors technology). The end users covered in this report are commercial, industrial, defense, others (government, retail, entertainment, and transportation). Based on region, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA. Key players operating in the emotion recognition and detection market are Affectiva, Beyond Verbal, Noldus Information Technology, Sentiance, Sightcorp, Realeyes, CrowdEmotion, Kairos AR, Inc., nViso SA., and SkyBiometry.

## **KEY BENEFITS FOR STAKEHOLDERS**

This study comprises analytical depiction of the global emotion detection and recognition market with current trends and future estimations to depict the imminent investment pockets.

The overall market potential is determined to understand the profitable trends to gain a stronger coverage in the market.

The report presents information related to key drivers, restraints, and opportunities with a detailed impact analysis.

The current market is quantitatively analyzed from 2017 to 2023 to highlight the financial competency of the market.

Porter's Five Forces analysis illustrates the potency of the buyers and suppliers.

## **KEY MARKET SEGMENTS**

### **BY SOFTWARE TOOL**

Facial Expression & Emotion Recognition

Gesture & Posture Recognition

Voice Recognition

## BY APPLICATION

Law Enforcement, Surveillance, & Monitoring

Entertainment & Consumer Electronics

Marketing & Advertising

Others (e-Learning and Video Games)

## BY TECHNOLOGY

Pattern Recognition Network

Machine Learning

Natural Language Processing

Others (Bio-sensors Technology)

## BY END USER

Commercial

Industrial

Defense

Others (Government, Retail, Entertainment, and Transportation)

## BY REGION

## North America

U.S.

Canada

Mexico

## Europe

UK

Germany

France

Rest of Europe

## Asia-Pacific

China

Japan

India

Rest of Asia-Pacific

## LAMEA

Latin America

Middle East

Africa

## KEY MARKET PLAYERS PROFILED

Affectiva

Beyond Verbal

Noldus Information Technology

Sentiance

Sightcorp

Realeyes

CrowdEmotion

Kairos AR, Inc.

nViso SA.

SkyBiometry

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