

Emotion Detection and Recognition Market supported by a CAGR of 20.5% from 2022 to 2031

WILMINGTON, DE, UNITED STATES, July 26, 2024 /EINPresswire.com/ -- The [emotion detection and recognition market](#) size was valued at \$21.66 billion in 2021, and is estimated to reach \$136.2 billion by 2031, growing at a CAGR of 20.5% from 2022 to 2031.

The gesture & posture recognition segment is expected to experience the fastest growth in the coming years, as it facilitates providing accurate, good, and simple recognition of human postures and gestures with the help of input devices and sensors makes way for different growth is expected to propel the market growth.

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Emotion detection and recognition is a process that can be described by three fundamental steps, namely, feature extraction, feature selection, and classification. The feature extraction process involves one or more sensors to measure the representative features of an object. The feature selection module selects more fundamental features from a list of features. Whereas the classification module categorizes the selected features into one of several emotion states. Its application includes sign language for communication among the disabled, lie detection, monitoring emotional states or stress levels of subjects, navigating and/or manipulating in virtual environments, and so on.

Furthermore, substantial growth of the Internet of Things technology, increase in popularity of wearable technology, and tremendous rise in the usage of smartphone drive the global emotion recognition and detection market. Moreover, advancement in technologies help market to perform better. However, high cost of application & functional requirements, misinterpretation in analysis of emotions restrict the growth of the market. Adoption of cloud-based technology to offer remunerative opportunities for expansion of the market during the forecast period.

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Region wise, the emotion detection and recognition market was dominated by North America in 2020 and is expected to retain its position during the forecast period, due to their well-established economies, which allow investments in new technologies. Growth in demand to optimize and bring radical change in the areas of marketing and advertisement by using emotion

detection and recognition technology creates remarkable potential in North America. However, Asia-Pacific is expected to witness significant growth during the forecast period, owing to factor that is increased public awareness and emerging advanced technologies in countries such as Japan, China, India, Australia, and Rest of Asia-Pacific contribute to the growth of the emotion detection and recognition industry.

The key players profiled in the emotion detection and recognition market analysis are IBM Corporation., Affectiva, Intel Corporation, Kairos AR, Inc., Noldus Information Technology bv., NVISO SA., Realeyes, Sentiance NV., Sightcorp, and SkyBiometry. These players have adopted various strategies to increase their market penetration and strengthen their position in the industry.

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