

EO/IR Gimbal Market by Product Type (2-axis EO/IR Gimbals and 3-axis EO/IR Gimbals), and End Use (UAV/UAS, Defense, Marine, Law Enforcement, and Others): Global Opportunity Analysis and Industry Forecast, 2020–2027

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Abstracts

Gimbal refers to a pivoted support allowing rotation of any object in a single axis. EO/IR gimbals are the pivots that majorly consist of electro-optical (EO) and infrared (IR) sensors and a gyroscope to stabilize the camera attached with it. Electro optics/infrared (EO/IR) gimbal is a small device with a dual sensor, which gives better pointing accuracy. This gimbal has features like 360-degree continuous rotation and gyro-stabilized. Its different applications include search & rescue, aerial survey, fire inspection, and traffic surveillance.

The EO/IR gimbals market growth is majorly driven by increase in demand for intelligent sensors and sighting devices, countermeasures, and reconnaissance. Also, the launch of new upgraded technologies in the similar field hampers the market growth. Some of the prominent features of EO/IR gimbals are object tracking, real-time video stabilization, navigation, on-board video encoding, anti-vibration, and GEO-lock. The increase in interest of business to develop next generation logistics, surge in demand for drones for recreational purposes, and rise in requirement of intelligent surveillance drive the EO/IR gimbals market growth. Moreover, regulations imposed by various countries on the use of drones limits the market growth. However, increase in investments in defense systems by various countries and surge in R&D investments by market players for product development are the factors that create lucrative opportunities for the market growth during the forecast period.

The global EO/IR gimbals market is segmented on the basis of product type, end use,

and region. Byproduct type, the market is bifurcated into 2-axis EO/IR gimbals and 3-axis EO/IR gimbals. By end use, the EO/IR gimbals market is analyzed across UAV/UAS, defense, marine, law enforcement, and others. By region, the market is analyzed across the U.S. and the rest of the world.

Key players profiled in the report include Leonardo DRS, CONTROP Precision Technologies Ltd., L3Harris Wescam, Ascent Vision Technologies LLC, FLIR Systems, Inc., Lockheed Martin, PVP Advanced EO Systems, I2Tech, Harris Aerial, AeroVironment, Inc., Uksrpecsystems, ZHIYUN, and MERIO.

KEY MARKET SEGMENTS

By Product

Relative

Absolute

By Type

Digital

Analog

By End Use

Residential

Commercial

Automotive

Industrial

Agriculture

Weather station

Healthcare

By Region

North America

Canada

Mexico

U.S.

Europe

France

Germany

UK

Rest of Europe

Asia-Pacific

China

India

Japan

South Korea

Rest of Asia-Pacific

LAMEA

Africa

Latin America

Middle East

Key Market Players

Amphenol Advanced Sensors

Guangzhou Aosong Electronics Co., Ltd.

Honeywell International Inc.

Laird Connectivity

Michell Instruments

Renesas Electronics Corporation

Schneider Electric

Sensirion AG Switzerland

TE Connectivity

Texas Instruments Incorporated

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