Drone Payload Market Shaping the Future, Size, Share, Growth 2030 | Parrot SA, DJI Technology, IMSAR LLC

Increase in demand for improved surveillance and surge in demand for location-based services drive the growth of the global drone payload market

WILMINGTON, NEW CASTLE, DELAWARE, UNITED STATES, April 24, 2024 /EINPresswire.com/ -- Drone Payload Market by Application (Defense, Agriculture and environment, Media and entertainment, Energy, Government, Construction and archaeology, others), by Type (Cameras

DRONE PAYLOAD MARKET

OPPORTUNITIES AND FORECAST, 2020 - 2030

Drone payload market is expected to reach **$33.3 Billion** in 2030

Growing at a **CAGR of 16.9%** (2021-2030)

Drone Payload Market

and sensors, Radar and communication, Weaponry): Global Opportunity Analysis and Industry Forecast, 2020-2030". As per the report, the global drone payload industry accounted for $7.2 billion in 2020, and is expected to reach $33.3 billion by 2030, growing at a CAGR of 16.9% from 2021 to 2030.

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The drone payload market has witnessed significant growth in recent years, owing to the development of advanced drone payload systems by key market players. For instance, in April 2022, Teledyne FLIR LLC launched the Boson plus longwave infrared thermal camera module with industry-leading sensitivity of 20 millikelvin (MK) or less for unmanned platforms, security applications, handhelds, wearables, and thermal sights. Also, in January 2022, Teledyne FLIR LLC developed five boson radiometric camera models and enhanced developer graphical user interface software.

Major determinants of the market growth

Increase in demand for improved surveillance and surge in demand for location-based services drive the growth of the global drone payload market. However, privacy and security concerns hinder the market growth. On the contrary, advancements in drone payload technologies would

unlock new opportunities in the future.

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On the basis of application, the market is segmented into defense, agriculture and environment, media and entertainment, energy, government, construction and archaeology, and others. The defense segment garnered the highest revenue in 2020, owing to high [demand for drone payload](https://www.alliedmarketresearch.com/drone-payload-market/purchase-options) solutions in the defense sector.

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By type, the weaponry segment is projected to register the highest CAGR of 17.9% during the forecast period. This is due to rise in demand for drone payload systems in the defense sector. However, the cameras and sensors segment held the largest share in 2020, contributing to nearly two-fifths of the global drone payload market, due to huge demand for drone cameras and sensors for wide range of applications.

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By region, the market across North America held the largest share in 2020, accounting for nearly half of the market, owing to rise in demand for drone payload for its use in airborne operations. However, the global drone payload market across Asia-Pacific is expected to showcase the highest CAGR of 20.7% during the forecast period, due to high demand for different drone payload technologies for land-based defense operations.

By application, the defense segment held the largest share in 2020, accounting for more than one-fourth of the global drone payload market, due to high demand for [drone payload solutions](#) in the defense sector across the globe. However, the construction and archaeology segment is expected to manifest the highest CAGR of 20.8% during the forecast period, due to high demand for different drone payloads used for construction applications across the globe.

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According to FAA (Federal Aviation Administration), drones or unmanned aerial vehicles (UAVs), are as any aircraft system without a flight crew onboard. In addition, a drone is an unmanned aerial vehicle or unmanned aircraft that can be remotely operated or can fly autonomously with the help of an embedded program. The additional weight attached to these drones, excluding

the weight of the drone itself, is referred to as the drone payload. Drone payloads include weapon systems, cameras, sensors, delivery goods, and other items.

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By application, the construction and archaeology segment is expected to register significant growth during the forecast period.

By type, the weaponry segment is anticipated to exhibit significant growth in the future.

Region-wise, Asia-Pacific is anticipated to register the highest CAGR during the forecast period.

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