

Global Handheld Laser Wind Radar Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Handheld Laser Wind Radar market size was valued at US\$ million in 2025 and is forecast to a readjusted size of US\$ million by 2032 with a CAGR of %during review period.

Handheld laser wind radar is a portable device that uses laser technology to measure wind speed and direction in the atmosphere. It typically uses a laser beam that is scattered by particles in the air and analyzes the scattered signal to determine wind speed and direction. This kind of radar is widely used in meteorology, environmental monitoring, climate research and other fields.

Handheld laser wind radar has broad application prospects in meteorology, environmental monitoring, wind energy and other fields. With the development of industries such as meteorology, environmental protection and renewable energy, the demand for high-precision, real-time wind speed and wind direction data continues to increase, which will promote the development of the handheld laser wind radar market.

This report is a detailed and comprehensive analysis for global Handheld Laser Wind Radar market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Handheld Laser Wind Radar market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Handheld Laser Wind Radar market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Handheld Laser Wind Radar market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Handheld Laser Wind Radar market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries

- To assess the growth potential for Handheld Laser Wind Radar

- To forecast future growth in each product and end-use market

- To assess competitive factors affecting the marketplace

This report profiles key players in the global Handheld Laser Wind Radar market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ZephIR Lidar, Halo Photonics, Leosphere, Lockheed Martin, Windar Photonics, China Electronics Technology Group Co., Ltd., Vaisala, Beijing Renhe Huizhi Information Technology Co., Ltd., Daheng Optoelectronics, Shandong Fengtu Internet of Things Technology Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Handheld Laser Wind Radar market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Based on Flight Time

Based on the Doppler Effect

Market segment by Application

Meteorological Monitoring

Environmental Monitoring

Wind Farm

Scientific Research Field

Major players covered

ZephIR Lidar

Halo Photonics

Leosphere

Lockheed Martin

Windar Photonics

China Electronics Technology Group Co., Ltd.

Vaisala

Beijing Renhe Huizhi Information Technology Co., Ltd.

Daheng Optoelectronics

Shandong Fengtu Internet of Things Technology Co., Ltd.

Shandong Jingdao Optoelectronics Technology Co., Ltd.

Hunan Guotian Electronic Technology Co., Ltd.

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Handheld Laser Wind Radar product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Handheld Laser Wind Radar, with price, sales quantity, revenue, and global market share of Handheld Laser Wind Radar from 2021 to 2026.

Chapter 3, the Handheld Laser Wind Radar competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Handheld Laser Wind Radar breakdown data are shown at the

regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Handheld Laser Wind Radar market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Handheld Laser Wind Radar.

Chapter 14 and 15, to describe Handheld Laser Wind Radar sales channel, distributors, customers, research findings and conclusion.

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