

Global Focal Plane Array (FPA) Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G3BBD2623D70EN.html>

Date: October 2026

Pages: 100

Price: US\$ 3,480.00 (Single User License)

ID: G3BBD2623D70EN

Abstracts

According to our (Global Info Research) latest study, the global Focal Plane Array (FPA) 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.

A Focal Plane Array (FPA) is a sophisticated sensor device used in imaging systems to detect and measure electromagnetic radiation, including visible light, infrared, and other wavelengths. Composed of a grid of individual detector elements or pixels, the FPA is positioned at the focal plane of an optical system, such as a camera or telescope. Each pixel in the array captures incoming radiation and converts it into an electrical signal, which is then processed to form a detailed image. FPAs are crucial in a variety of applications, including thermal imaging, astronomy, medical imaging, and remote sensing, offering high resolution, sensitivity, and accuracy. Their ability to detect and quantify radiation with precision makes them essential for advanced imaging technologies.

This report is a detailed and comprehensive analysis for global Focal Plane Array (FPA) 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 Focal Plane Array (FPA) market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Focal Plane Array (FPA) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Focal Plane Array (FPA) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Focal Plane Array (FPA) market shares of main players, shipments in revenue (\$ Million), sales quantity (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 Focal Plane Array (FPA)

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 Focal Plane Array (FPA) 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 Teledyne FLIR, Leonardo DRS, BAE Systems, Lockheed Martin, Lynred, VIGO Photonics, SCD, IRnova AB, etc.

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

Market Segmentation

Focal Plane Array (FPA) 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

SWIR FPA

MWIR FPA

LWIR FPA

Market segment by Application

Civilian

Military

Major players covered

Teledyne FLIR

Leonardo DRS

BAE Systems

Lockheed Martin

Lynred

VIGO Photonics

SCD

IRnova AB

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 Focal Plane Array (FPA) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Focal Plane Array (FPA), with price, sales quantity, revenue, and global market share of Focal Plane Array (FPA) from 2021 to 2026.

Chapter 3, the Focal Plane Array (FPA) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Focal Plane Array (FPA) 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 Focal Plane Array (FPA) 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 Focal Plane Array (FPA).

Chapter 14 and 15, to describe Focal Plane Array (FPA) sales channel, distributors, customers, research findings and conclusion.

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