

# Global Hyperspectral Imaging (HSI) Market Research Report 2022 Professional Edition

<https://marketpublishers.com/r/G98187A9F5B7EN.html>

Date: January 2022

Pages: 127

Price: US\$ 2,890.00 (Single User License)

ID: G98187A9F5B7EN

## Abstracts

The global Hyperspectral Imaging (HSI) market was valued at 8.82 Million USD in 2021 and will grow with a CAGR of 10.9% from 2021 to 2027, based on HNY Research newly published report.

The prime objective of this report is to provide the insights on the post COVID-19 impact which will help market players in this field evaluate their business approaches. Also, this report covers market segmentation by major market vendors, types, applications/end users and geography(North America, East Asia, Europe, South Asia, Southeast Asia, Middle East, Africa, Oceania, South America).

Hyperspectral imaging (HSI) is a combination of spectroscopy and imaging and is commonly referred to as imaging spectroscopy. Hyperspectral imaging is a technique that incorporates color 3d imaging, including a reflected image of the target spectrum data, which is processed to obtain each pixel in the electromagnetic spectrum image. Hyperspectral imaging systems generally include hyperspectral imagers, cameras, light sources, data software, and computers. In this report, we focus on hyperspectral imaging equipment, such as hyperspectral imagers, hand-held hyperspectral imagers, visible/near infrared (VIS/NIR) hyperspectral staring imagers, short-wave infrared hyperspectral staring imagers, airborne/ground short-wave infrared, etc. In 2019, the global production of hyperspectral imaging systems will reach 549 units, with sales of about \$90.42 million. Globally, North America is the largest manufacturing region with major manufacturing companies concentrated in the region, such as Headwall Photonics, Resonon, Surface Optics, Corning, ITRES, Telops and Brimrose. North America produces 318 units in 2019, accounting for 58.01% of the global total, followed by Europe, where the main producers are Finland Specim, IMEC and Norsk Elektro Optikk AS. China's hyperspectral imaging industry is still an untapped

market.

By Market Vendors:

Headwall Photonics

Specim

Resonon

IMEC

Surface Optics

Norsk Elektro Optikk A/S

Corning?NovaSol?

ITRES

Telops

BaySpec

Brimrose

Zolix

Wayho Technology

By Types:

VNIR

SWIR

MWIR

LWIR

By Applications:

National Defense Security

Environmental Monitoring and Mineralogy

Food and Agriculture

Life Sciences and Medical Diagnostics

Vegetation and Ecological Studies

Environmental Recycling

Key Indicators Analysed

**Market Players & Competitor Analysis:** The report covers the key players of the industry including Company Profile, Product Specifications, Production Capacity/Sales, Revenue, Price and Gross Margin 2016-2027 & Sales with a thorough analysis of the market's competitive landscape and detailed information on vendors and comprehensive details of factors that will challenge the growth of major market vendors.

**Global and Regional Market Analysis:** The report includes Global & Regional market status and outlook 2016-2027. Further the report provides break down details about each region & countries covered in the report. Identifying its sales, sales volume & revenue forecast. With detailed analysis by types and applications.

**Market Trends:** Market key trends which include Increased Competition and Continuous Innovations.

**Opportunities and Drivers:** Identifying the Growing Demands and New Technology

**Porters Five Force Analysis:** The report provides with the state of competition in industry depending on five basic forces: threat of new entrants, bargaining power of suppliers, bargaining power of buyers, threat of substitute products or services, and existing industry rivalry.

Key Reasons to Purchase

To gain insightful analyses of the market and have comprehensive understanding of the global market and its commercial landscape.

Assess the production processes, major issues, and solutions to mitigate the development risk.

To understand the most affecting driving and restraining forces in the market and its impact in the global market.

Learn about the market strategies that are being adopted by leading respective organizations.

To understand the future outlook and prospects for the market.

Besides the standard structure reports, we also provide custom research according to specific requirements

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