Price of Hyperspectral Analyzer



Overview

2026 Latest Hyperspectral Camera Selection and Price GuideThe latest 2026 hyperspectral camera and imaging system selection and price guide. Deeply analyze.

Key Takeaways

Hyperspectral analyzers typically range from $9,000 to over $90,000 depending on spectral range, sensor type, and system configuration. Hyperspectral analyzers, also known as hyperspectral cameras, vary widely in price based on their spectral coverage, detector type, spatial resolution, and intended application.

Entry-level VNI

R (400–1000 nm) systems generally cost between $9,000 and $15,000, suitable for laboratory or agricultural applications.

Mid-range SWI

R (900–1700 nm) systems are more expensive, typically $6,000 to $85,000, due to specialized InGaAs detectors and broader spectral capabilities.

High-end MWI

R systems, often cooled for industrial or remote sensing applications, can exceed $85,000. Factors Affecting Price1. Sensor Type and Spectral Range: Silicon-based sensors covering visible to near-infrared are more affordable, while InGaAs or HgCdTe detectors for SWIR and MWIR significantly increase cost due to material and manufacturing complexity.

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2. Spatial and Spectral Resolution: Higher spatial resolution (more pixels) and finer spectral resolution require advanced optics and precise calibration, raising system cost. 3.

System Configuration: Prices differ between standalone cameras and complete turnkey solutions, which may include software, computing hardware, UAV or conveyor integration, and calibration services. 4. Optical Quality and Calibration: Scientific-grade optics with low distortion, high throughput, and traceable calibration add to the price, ensuring reliable and accurate measurements.

5. Integration and Compliance: Custom integration, interface standards (USB3, GigE, Camera Link), and industry compliance (CE, FCC, ISO) can further influence total cost.

Summary

Overall, hyperspectral analyzers are a significant investment, with prices ranging from $9,000 for basic VNIR systems to over $90,000 for high-end SWIR or MWIR turnkey solutions. Buyers should consider not only the upfront cost but also total cost of ownership, including software, calibration, maintenance, and integration requirements.

Article Content

2026 Latest Hyperspectral Camera Selection and Price Guide

The latest 2026 hyperspectral camera and imaging system selection and price guide. Deeply analyze the working principles of hyperspectral cameras, VNIR vs. SWIR sensor price

Hyperspectral Camera Price (2026 Cost Guide)

You''ll need to consider the full system cost—not just the camera—when budgeting for a hyperspectral imaging system for your lab. Equally important is considering your long-term research goals, such as

Hyperspectral Imaging Camera Price – What Affects System Cost?

Learn what determines hyperspectral imaging camera price, from spectral range and calibration to software, integration, and turnkey system requirements.

Hyperspectral Imaging Cameras, Hyperspectral Imaging Cameras Price

Hyperspectral imaging Camera, or imaging spectroscopy, combines the functions of imaging camera and spectroscopy. Shop Hyperspectral Imaging Cameras at Optosky with affordable price.

Resonon Hyperspectral Imaging Cameras

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Hyperspectral cameras ideal for a wide range of hyperspectral applications, covering the ultraviolet, visible, near-infrared, and short-wave spectral ranges.

UAV hyperspectral camera parameters and prices

This article introduces the parameters and prices of drone hyperspectral cameras in detail, including spectral range, resolution, spatial resolution, weight and size, data transmission method

Hyperspectral Sensor Price 2026: Trends & Costs

Explore 2026 hyperspectral sensor pricing trends, from $12.4K VNIR to $306K snapshot systems. Learn key cost drivers, market growth, and best buys for agriculture, mining, and medical use.

How much do hyperspectral cameras cost? : r/hyperspectral

Hey everyone! I''m building this project that requires a hyperspectral camera to be attached to a drone. However, I''m unable to find a concrete cost estimate for drone-compatible HSI cameras... Can

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Hyperspectral Imaging Camera: Cost vs. Capabilities

Affect performance and the practicalities of using it in the real world Determine camera pricing, including both hardware and software capabilities Thankfully, the next generation of hyperspectral cameras is

hyperspectral imaging camera price

The price of a hyperspectral imaging camera can vary dramatically, ranging from a few thousand dollars to well over a hundred thousand. This wide price range reflects the significant

Hyperspectral Cameras, Sensors and Imagers

Specim hyperspectral cameras provide flexibility, performance, cost-efficiency, and scalability for the machine vision industry and reliability and accuracy for researchers and scientists. The camera

What is the general price of a hyperspectral camer

However, for many potential users, the price of hyperspectral cameras is one of the first factors they consider when choosing a product. Generally speaking, the price of hyperspectral

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Please note that the prices of Hyperspectral Imagers vary significantly for different products based on various factors including technical parameters, features, brand name, etc. Please contact suppliers

Hyperspectral Cameras, Sensors and Imagers

We offer the broadest range of high-quality hyperspectral cameras covering wavelengths from visible and near-infrared to the thermal range.

Hyperspectral Imaging Cameras

BaySpec builds various hyperspectral imaging cameras and processing systems for a vast array of potential and theoretical applications, including astronomy,

Hyperspectral Imaging Camera Price: Find Best Deals

Discover the best hyperspectral imaging camera prices from verified suppliers. Compare models, features, and pricing tiers. Click to explore affordable options and find the perfect fit for your

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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