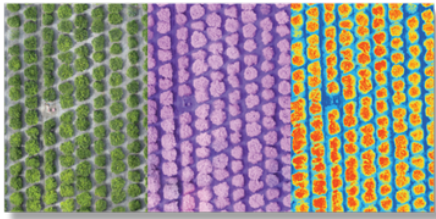


LANDCAM MULTISPECTRAL CAMERA

Precision Imaging for Agriculture and Environmental Monitoring



Precision Imaging for Agriculture and Environmental Monitoring

The LandCam Multispectral Camera is a cutting-edge imaging tool designed to capture detailed spectral data for advanced agricultural, forestry, and environmental applications. Its ability to capture multiple bands of light—beyond what the human eye can see—makes it indispensable for precision farming, crop health analysis, and environmental monitoring. With the LandCam, professionals can gather actionable insights from the air, helping optimize resource use, monitor land conditions, and make informed decisions.

Key Features



Multispectral Imaging for Enhanced Analysis

The LandCam captures data in multiple spectral bands, including red, green, blue, and near-infrared (NIR), allowing users to assess vegetation health, detect stress in crops, and monitor water conditions with unparalleled accuracy.



High-Resolution Data Capture

Equipped with high-resolution sensors, the LandCam delivers sharp and detailed imagery that enhances the accuracy of data analysis, enabling precise crop health monitoring, land management, and environmental studies.



Real-Time Data Processing

Integrated with advanced software, the LandCam allows for real-time data capture and analysis, providing immediate insights into crop conditions and environmental factors, improving decision-making processes on the spot.



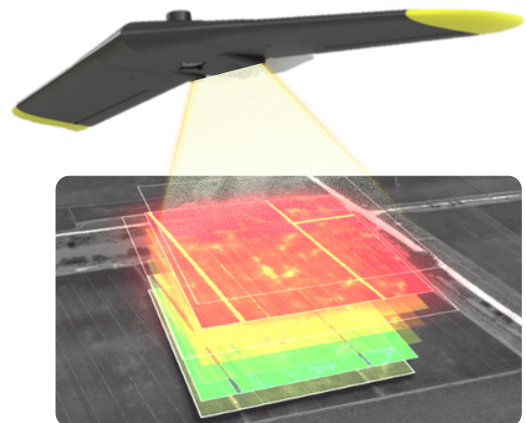
Compact and Lightweight Design

The LandCam is compact and lightweight, making it easily adaptable to various UAV platforms. Its optimized design ensures stable and efficient performance during long flight operations.



Wide Range of Applications

Whether you are involved in precision agriculture, forestry, environmental conservation, or land surveying, the LandCam's multispectral capabilities make it an ideal tool for monitoring large areas and gathering critical data.



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Technical Specification

Sensor	Resolution	15.4 MP each MS Band
	Active array size	4800 x 3200
	Pixel Size	1.4µm x 1.4µm
	Spectral Band	Blue, Green, Red, NIR
	Focal Length	24 mm
Unit Performance	Storage	Up to 64 GB
	Interface	Trigger Input, PPS Input, signal data
	Capture Rate	1 Capture per second (raw data .jpg)
	Ground Resolution Data	2 cm per pixel at 100m (GSD per multispectral band)
	Compatible for Payload	Multicopter, VTOL, Fixedwing
	Operating Temperature	0°C - + 40°C / 32°F - 104°F
	Power	5V/3.3v Power External
Unit size	Dimensions	91mm x 68mm x 51mm
	Weight	380 Gram
TKDN (Tingkat Komponen Dalam Negeri)		38 %

