HIGH-PERFORMANCE FIVE-LENS TILT PHOTOGRAPHY CAMERA LF505

With a total resolution of 3.05 million pixels, the camera integrates five 61-megapixel full-frame ExmorRCMOS back-illuminated image sensors. Equipped with a high-performance AI motherboard, it excels in heat dissipation, data communication, system integration, and data transmission. It is compatible with mainstream Multirotor and Fixed-wing UAV on the market.
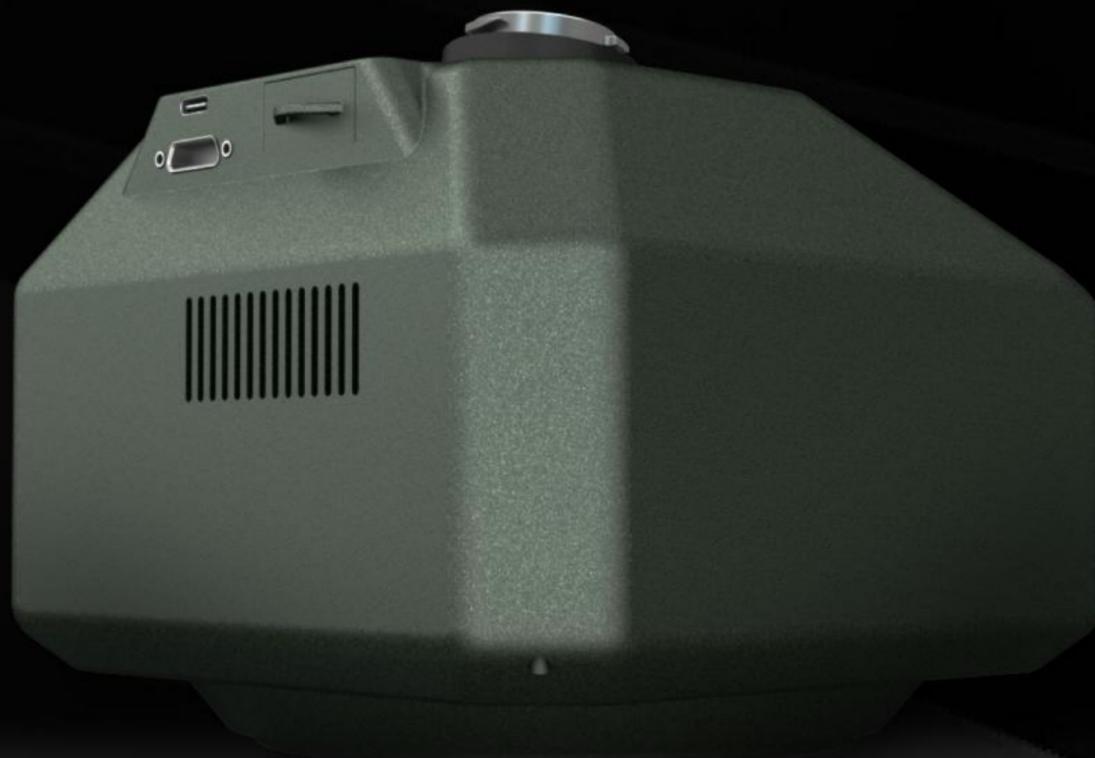
Based on Linux System AI Motherboard, Type-C Interface and Extended Development is Expandable

The camera features a high-performance AI motherboard with 8+32GB memory, ensuring stability while transmitting high-definition images. It supports SDK for camera control and parameter adjustment.

On-screen display:

RTK: 固定解	温度：30度
前：88 正常	后：88 正常
左：88正常	右：88正常
下：88 正常	POS：88
ISO: AUTO	快门1/1000
模式：手动曝光	白平衡：日光
影像尺寸：大	影像质量：精细

Dual-Channel Camera Parameter Settings via Remote Controller and WiFi

Real-time display of camera operation information is available through the remote controller's floating window. DJI remote controllers can adjust camera parameters in real time, or users can connect to the camera via WiFi for parameter settings on the WEB interface.

1-Second Minimum Shooting Interval

With a high-speed storage module and high-performance AI chip, the minimum shooting interval can reach 1 second, enabling efficient image data capture even at high flight speeds.

RTK: 固定解   温度：30度
前：88 正常   后：88 正常
左：88正常   右：88正常
下：88 正常   POS：88
ISO: AUTO   快门1/1000
模式：手动曝光   白平衡：日光
影像尺寸：大   影像质量：精细

High-Definition Downward Vi
Transmission

The powerful computing capability of the AI chip enables fast video processing, ensures smooth and uninterrupted video transmission.

Technical Specifications

Dimensions	175*175*130mm	Weight	Approx. 1400g
Image Resolution	9504*6336	Pixel Size	3.7um
Total Pixels	3,05 million	Minimum Exposure Interval	0.8s
Sensor Type	Exmor R CMOS Sensor	Sensor Size	35.7×23.8 mm
White Balance	Auto/Shade/Cloudy/ Daylight	Shutter Speed	1/8000 to 1 second
ISO	Auto/Manual	Image Quality	Small/Standard/Fine/ Ultra-fine
Lens Type	Professional Prime Lens	Focal Length	Down: 40mm, Side: 56mm
Image Size	Large/Medium/Small	Network Function	Type-C Expandable Network
Data Storage	External 1280GB High-Speed Storage Card	Structural Performance	Integrated Camera Lens
Power Supply	External 10V-18V	Video Transmission	Dynamic HD Downward Video Transmission
POS Storage	Independent Precise POS for Five Lenses	Camera Parameter Settings	Adjust via DJI Remote Controller or WiFi
Trigger Mode	Manual/Auto Trigger	Supported Drones	DJI M300 Series, Other UAVs
Humidity	≤70%	Operating Temperature	-10°C~50°C