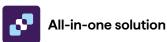
Product Brief: Development Kit

Bringing Spectral Information to Computer Vision





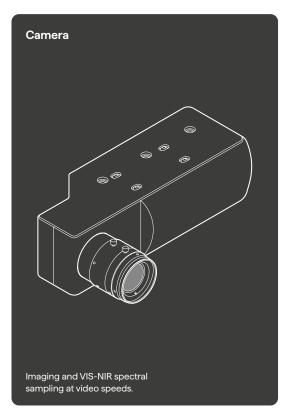
Image with more information and speed than previously possible.

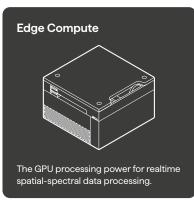


Portable camera with the compute power and tools to capture and analyze spatial-spectral information.



Familiar software tools for computer vision engineers to exploit spectral information in their applications.













Specifications

Feature	Value	Notes
Camera	Value	Notes
Spatial samples	5M pixels	
	10-40°	Lens selectable
Field of view (FOV)	10-40 4k	
Spectral samples		High spatial accuracy samples in the FOV
Wavelength range	440-900nm	VIS-NIR bandwidth
Wavelength bands	96	For each spectral sample
Wavelength FWHM	8-20nm	Wavelength dependent
Bit depth	12 bit	Raw sensor pixel data
Frame rate	30 fps	Max data capture rate
Size	203mm × 76mm × 58mm	Camera excluding lens
Weight	< 1kg	Camera excluding lens
Interface	Dual FAKRA coaxial RF and 5m cables	Combined data and power
Edge Compute		
Туре	NVIDIA® Jetson AGX Orin™	
os	Ubuntu 20.04	
Storage	2TB NVMe SSD + 64GB eMMC	
Camera interface card	Dual FAKRA coaxial RF	Card installed on the Orin MIPI CSI-2 connector
Networking	RJ45 10GbE 802.11 Wi-Fi	
Size	110mm × 110mm × 84mm	
Weight	0.9kg	
Power	15-60W	Jetson AGX Orin
Software Development Kit (SDK)		
Tools	Camera control, data acquisition and processing	
API	Application programmers interface	
Examples	Examples and tutorials	
Field kit accessories (optional)		
Waterproof carry case	Pelicase IM2400	
Battery	88Whr providing > 2 hours typical operation	
External storage	2TB Extreme Pro SSD	
Mounting	Tripod and arca-swiss quick release plate	

Follow the QR code for more information:



About Living Optics

Living Optics is on a mission to make hyperspectral imaging widely accessible. Our pioneering technology captures data inaccessible to the human eye and conventional cameras and delivers information in an affordable and portable solution for a diverse range of industrial and consumer applications.

