Who Needs All-in-One AI Smart Camera?



NEON AI SMART CAMERA

- All-in-one design
- Real-time AI inference
- High-quality image capture
- Powered by NVIDIA® or Intel®

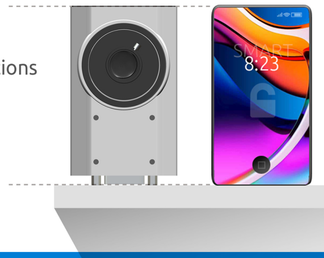


IN camera

Compact and Powerful

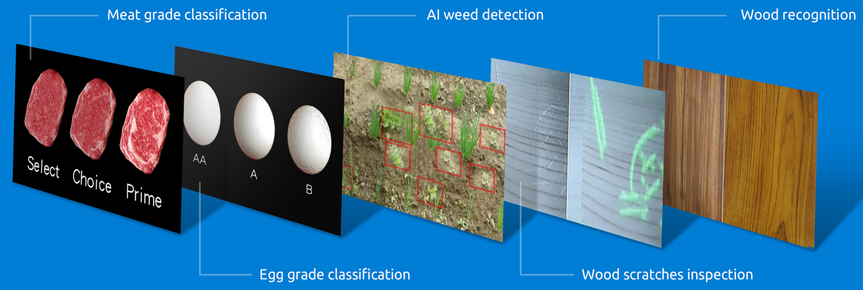
Similar size to an smartphone, designed for edge vision applications

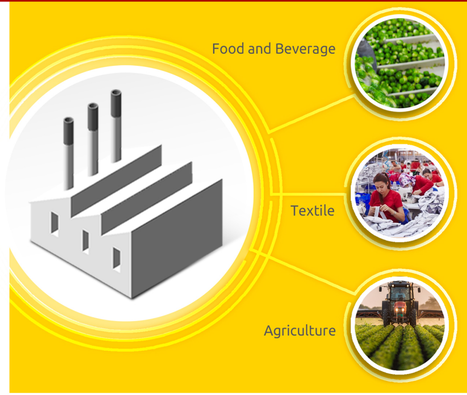
8 GB	4	700 g	123.3 X 77.5 X 66.81 mm
LPDDR4/32GB eMMC	Basler image sensor options		



Many Applications

An all-in-one AI smart camera is ideal for visual inspection, object detection, automatic number plate recognition, and behavior monitoring, with all the intensive processing done on the device.







Simpler Than MIPI & TX2

A MIPI sensor and TX2 box is a complex solution. The camera lens requires a large enclosure, and cables create compatibility and reliability issues. The NEON combines all the necessary parts into an all-in-one package, eliminating compatibility issues, speeding up installation, and reducing maintenance.

Multiple Industries

Labor-intensive industries such as food sorting, logistics, packaging, and farming can all benefit. The all-in-one AI smart camera performs product sorting and classification tasks, and quality assurance.

395%	$25.32B	47.54%	$72.5B
Expected growth AI will bring to manufacturing by 2025	Expected value of AI in computer vision market by 2023	Expected CAGR of AI in computer vision market by 2023	Edge AI market total market opportunity by 2025

Source: cognilytica.com; marketsandmarkets.com; IoT Analytics, 2019 Dec

Software Compatibility

All essential software included has been tried and tested to work flawlessly with the device hardware. No more compatibility issues with a mishmash of disparate hardware. This compact and powerful package works right out the box.



OpenCV | pylon | ubuntu | NVIDIA JetPack™ | Video4Linux

Hardware verified

CE FC EMC CB

Storage Temperature	ESD	Vibration	Safety
-20°C to 70°C	Contact ± 4kV, Air ± 8kV	Operating, 5-500 Hz, 5 Grms, 3 axes	UL and cB
Operating Temperature	**EMC**	**Shock**	
0°C to 45°C	CE and FCC Class A (EN61000-4/-2)	Operating, 11ms duration, 30G, half sine, 3 axes	

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