



Ambarella and Ultralytics Collaborate to Bring Ultralytics YOLO Models to CVflow-Powered Edge Devices

September 15, 2026 at 9:00 AM EDT

The partnership is designed to give developers and product teams a more efficient path from vision model development to deployment on low-power edge AI silicon

SANTA CLARA, Calif. and LONDON, Sept. 15, 2026 (GLOBE NEWSWIRE) -- Ambarella, Inc. (NASDAQ: AMBA), an edge AI semiconductor company, and Ultralytics, a vision AI company known for the open-source Ultralytics YOLO model family, today announced a collaboration to support the deployment of Ultralytics YOLO models on Ambarella CVflow®-powered edge devices.

The collaboration brings together Ultralytics' real-time computer vision models and Ambarella's low-power AI processing technology. The two teams are working to give developers a familiar starting point on silicon built for the power and thermal limitations under which edge products operate.

When detection, segmentation, and tracking run locally on the device, systems can respond with lower latency, place less demand on network bandwidth, and reduce their dependence on cloud processing. For products that operate in the physical world, those characteristics shape how quickly a machine responds to what it sees, and how dependably it responds when connectivity is limited.

The integration is designed to help developers and product teams build and deploy vision applications more efficiently across areas such as smart cameras, robotics, automotive, and industrial systems.

"By bringing Ultralytics YOLO to Ambarella's CVflow platform, we're making it easier for developers and product teams to build efficient, real-time vision applications directly at the edge," said Glenn Jocher, Founder and CEO of Ultralytics. "This collaboration combines Ultralytics' accessible computer vision models with Ambarella's low-power AI processing, helping move vision AI from development to deployment more efficiently."

On the Ambarella side, the work centers on the Cooper™ Developer Platform and the Ambarella Developer Zone ("DevZone"), which the company launched at CES 2026. The DevZone brings optimized models, agentic blueprints, developer kits, documentation, and technical resources into a single accessible environment. A common CVflow architecture and a shared software environment serve Ambarella's entire edge AI SoC portfolio, so perception software and development workflows can carry forward as a product line scales up in performance or moves to a lower cost point.

"The edge AI markets we serve are evolving quickly, and our partner ecosystem needs a platform that meets developers in the frameworks and model families they already use," said Fermi Wang, President and CEO of Ambarella. "Ultralytics YOLO is among the most widely adopted model families in computer vision, and supporting it on our CVflow platform broadens the set of teams that can build on Ambarella silicon."

Ultralytics YOLO models support object detection, instance segmentation, image classification, pose estimation, and oriented bounding box detection within a single model family, with a range of model sizes that let teams balance accuracy against the compute and memory budget a given product can carry.

About Ambarella

With an installed base of more than 50 million AI SoC units, Ambarella's products are utilized in a wide variety of physical edge AI applications, spanning edge endpoint and edge infrastructure use cases including physical security, vehicle safety, telematics, autonomy, portable video, aerial drones, and other emerging robotic applications. Building on this footprint, Ambarella offers a full-stack edge AI platform, from highly optimized silicon and programmable software to AI agentic frameworks that coordinate perception, decision-making, and control across devices. Ambarella's low-power systems-on-chip (SoCs) integrate proprietary and highly efficient perception and deep learning neural network AI accelerators, enabling electronic systems to become more productive with partial or complete levels of machine autonomy. For more information, please visit www.ambarella.com.

About Ultralytics

[Ultralytics](https://ultralytics.com) is the leading force in vision AI, best known for its Ultralytics YOLO (You Only Look Once) models and Ultralytics Platform, the ultimate end-to-end computer vision platform where users can annotate, train, and deploy vision AI solutions in one place. With over 140k GitHub stars, 330 million PiP downloads, and 3.6 billion model usages, Ultralytics YOLO has become the most widely recognized object detection model globally. Ultralytics empowers users with easy-to-use, cutting-edge AI technology. Our mission is to simplify and democratize the use of AI, making it accessible and impactful across industries ranging from manufacturing to healthcare and more.

Media Contact

Jonathan Miller

jmiller@ambarella.com



