

The Chooch AI Vision Platform: From Visual Data to Visual Intelligence

Teaching Computers What to See.

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Chooch has engineered an industry-leading AI computer vision (CV) platform called AI Vision. It instantly detects specific visuals, objects, and actions in video images, including critical anomalies, immediately comprehending their significance and instantly putting in motion pre-programmed responses to them.

All using the cameras that already exist within organizations. It is at work in Fortune 500, G2000, and public sector organizations across retail, manufacturing, smart cities, aerospace, and defense industries enhancing productivity, increasing revenue, while reducing operational costs.

From its inception, Chooch has been an eye and on-premise first platform bringing CV as close to the point of data capture as possible. It is deployable on any silicon, anywhere on the edge, the cloud, or hybrid model.



“ We have started to achieve critical outcomes by continuing to investing in technology companies like Chooch to make us faster in building more efficient business capabilities.”

CTO of Fortune 500 Bottling Company

SUCCESS STORIES

Saved \$5M per month across 400 sites using glove detection CV to mitigate hand injuries.

Fortune 500 Auto Parts Manufacturer

Deployed defect detection model in 1 month monitor four error states and automatically alert plant engineers about defects.

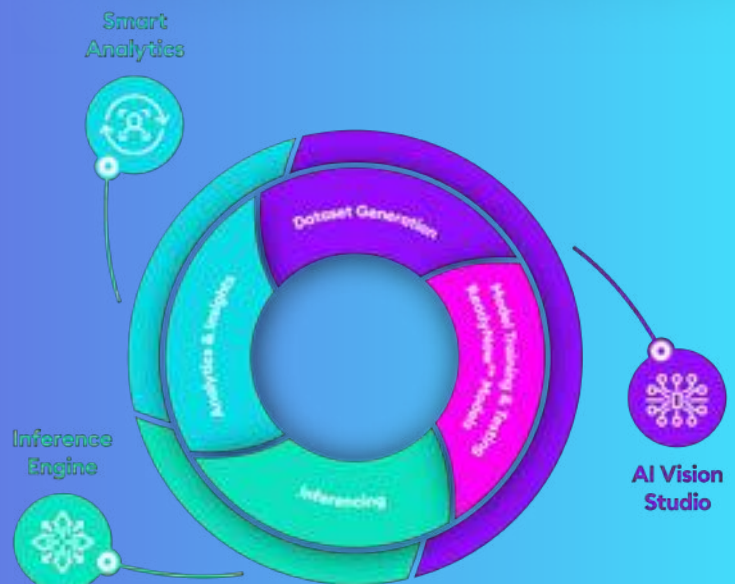
Fortune 500 Soft Drink Company

Developed a retail shelf monitoring solution to alert stock out & output planogram analyses for hundreds of thousands of SKUs in over 13,400 stores.

Fortune 500 Retail Conglomerate

One Solution. Full AI Lifecycle.

From raw data to analytics, Chooch is built to perform at every step of the AI lifecycle. Customers are enriching datasets with tools like synthetic data generation. Whether they are building new or hosting and deploying their own models, in the broadest range of compatible edge devices in the industry. Out-of-the-box, customers are using Smart Analytics or integrating image detection into their own BI system via API's.



Chooch is one of the providers developing and delivering complete end-to-end computer vision solutions and should be considered by any organization looking to experiment, learn, or expand its use. - IDC MarketScape 2022

Built for the Edge from the Start.

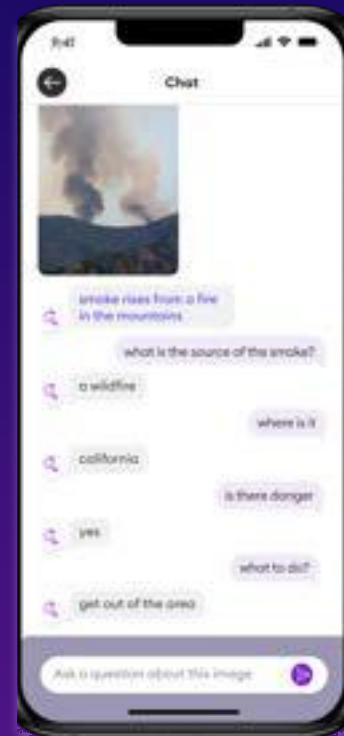
The primary method Chooch deploys CV models is through the Chooch Edge Inference Engine. This product is available via Docker or Kubernetes in AWS and Azure instances. It can deploy to the edge on 9th generation Intel Core CPUs i7 and later. On a 9th generation Intel i7 CPU, the platform can perform inferencing on up to 4 camera streams with 2 models

each or 8 cameras with 1 model each. On Nvidia Tesla T4 GPUs, Chooch can support 15 to 20 parallel streams. Similarly, 15 to 20 cameras can perform inferencing with a single model, or 3 to 4 cameras can run 4 to 5 models in total. On average, models make detections every 0.2 millisecond (depending on hardware capacity and network latency).

20+ ReadyNow™ Models and Pioneering Vision + LLM Ensembles with ImageChat™

Chooch's ReadyNow AI models bypass the need for dataset generation, annotation services, and model training, offering production-level computer vision models deployable the moment it is configured. These models are built to address common requirement for issues like fire & smoke, PPE, LPR, loitering, and slip & fall detection.

Chooch has also pioneered a publicly available vision and LLM ensemble model called ImageChat. The product leverages a method of Visual Question Answering (VQA) via prompt engineering that significantly reduces users' review times by automating the process of extracting information from visual content. Instead of manually examining each visual asset, analysts can pose questions about an image leveraging the power of VQA models.



ImageChat is actively being used to detect wildfires across Southern California

READYNOW MODELS

Fire & Smoke



Safety Goggles



Proper Ergonomics



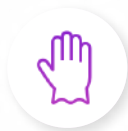
Safety Vests



Person Re-ID



Gloves



Hard Hats



License Plates



Slip & Fall



Face Masks



Loitering



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