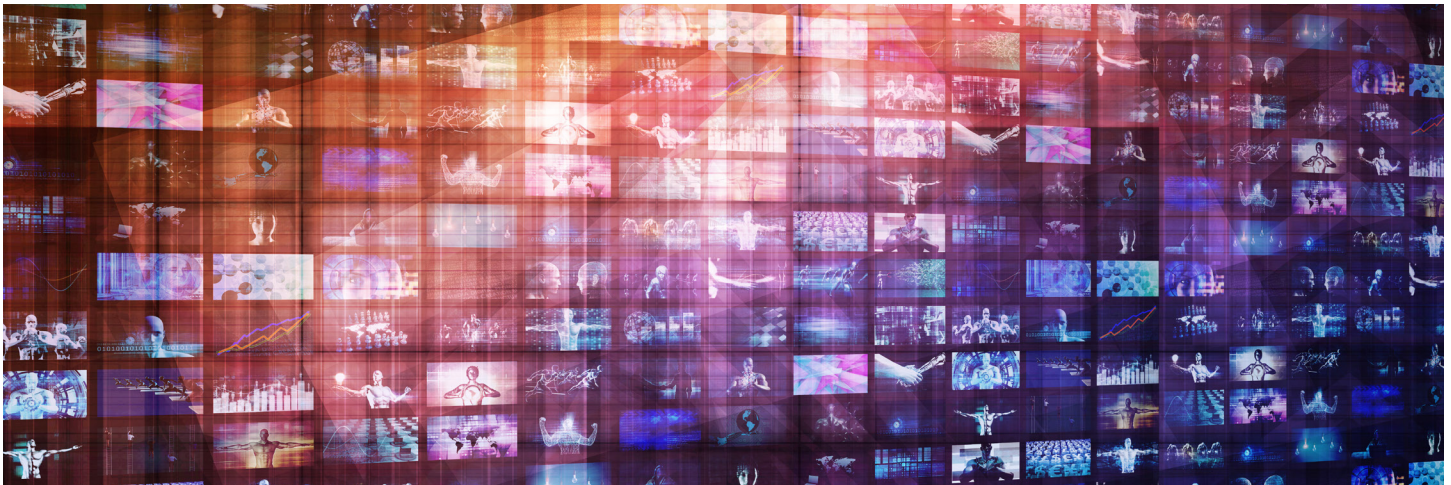


**ImageBrew® generates data from captured images, augments the images with environmental effects and labels the data to required specifications.**



**OVERVIEW**

ImageBrew® is an AI computer vision data processing capability that automatically generates data from captured images, and augments the images with environmental effects and labels the data to required specifications. The data is then stored for computer vision algorithm training based on specific application needs.

**TECHNICAL**

Designed for computer vision product developers who create pipelines for processing image data, ImageBrew synthetically produces images of the highest quality without the need for additional curation efforts. Unlike existing solutions that require humans to manually isolate images, remove backgrounds, augment the images and label the data, ImageBrew is a fully automatic synthetic data processing API designed to integrate seamlessly with the developer’s system and processes.



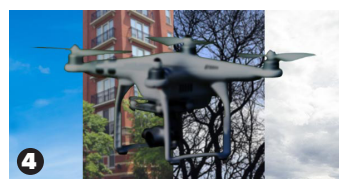
Original Image



ImageBrew Removes Background

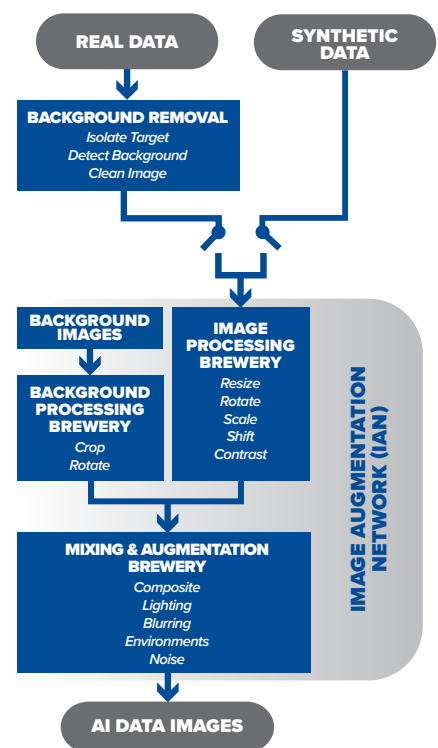


ImageBrew Adds Synthetic Backgrounds



ImageBrew Adds Atmospheric & Lighting Effects

**Arcarithm’s Advanced Computer Vision Data Pipeline**



**SYSTEM REQUIREMENTS**

CPU	Intel Core 2 or AMD Athlon II (or better)
Memory (RAM)	64-bit System: 8GB minimum 32-bit System: 4GB minimum
Operating Systems	Ubuntu 16.04 or higher RedHat 7
Graphics Card	NVIDIA GeForce 8400 series or ATI X1600 (minimum)
Minimum Screen Resolution	1280 x 720 pixels
Storage	128GB

**PRODUCT DETAILS**

Manufacturer	Arcarithm
Product Name	ImageBrew®
Version	2026
Manufacturer Part Number	A2019A
Product Type	Single License
Platform	Linux
Shipping Method	Digital delivery

**ABOUT ARCARITHM**

Deep Learning and Artificial Intelligence (AI) are buzz words commonly used throughout defense and commercial markets, often without true understanding of those terms. At Arcarithm, we are defining those terms and more, with proven solutions on par with multinational tech leaders. From the big picture distinction between strong and weak (or narrow) AI, to the fine-grained focus of deep versus shallow neural networks, Arcarithm delivers a depth of understanding and operational maturity beyond the capability of most companies. Our experience with every aspect of algorithm design, training, deployment and evaluation allows Arcarithm to produce quality products quickly and effectively, with the highest levels of reliability and accessibility.

