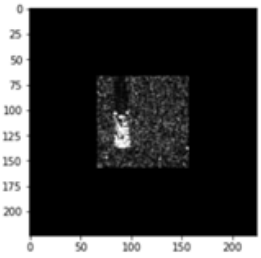
Computer Vision

The ability to accurately identify and classify objects within an image is one of AI's most impressive feats to date. Clostra's computer vision algorithm takes this ability to the next level. Fuzzy images in HD video, cluttered radar signals, and even anomalies spotted by an airplane's FLIR sensor - all of these are accurately analyzed and interpreted by Clostra's computer vision.

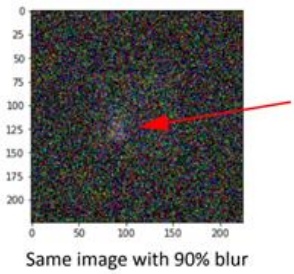
This technology has proven its abilities again and again across vast sets of low-resolution, blurred, and degraded images. Too many objects in images are misattributed because human analysts or static signature-based classifiers either miss identifying features or are unable to process noisy inputs successfully. Boasting an incredible accuracy rate of more than 99%, our algorithm successfully picks out key identifying features in images that traditional methods have been unable to process.

Our algorithm doesn't require powerful machines for deployment. Modern GPUs can run our computer vision algorithm at speeds typically exceeding the input stream, allowing computer vision insights to stream in real time.

Clostra's computer vision technology is a deep learning AI solution. During neural network training, computer vision algorithms ingest huge quantities of data and learn to identify relevant images. In one of Clostra's radar-improvement projects for the United States Army, our algorithm used the MSTAR dataset to learn to identify radar images. As we increased the level of difficulty by artificially blurring the images, our algorithm eventually learned to distinguish this (relatively clear) military vehicle...from this artificially degraded image.



Original MSTAR Image



Same image with 90% blur

The blob in the second image is the same as the vehicle in the first image, but no human analyst or traditional algorithm would be able to tell. Clostra's algorithm identified it, and other objects under similar conditions, quickly and accurately.

WHO IS CLOSTRA'S COMPUTER VISION DESIGNED FOR?

A number of industries can enhance their operations with our computer vision algorithm. Security companies can accurately recognize faces, figures, and possibly intent from fuzzy, low-resolution video. Hunters who use night-vision infrared enhancements can be automatically informed if a faraway deer is hiding within sight. Like any other computer vision software, our algorithm also provides facial recognition for photos, and enable self-driving cars to recognize obstacles in real time. With Clostra's computer vision algorithm, the possibilities are endless.

WHY CLOSTRA'S COMPUTER VISION?

Clostra's computer vision algorithm is one of the most advanced AI image-detection systems in the world. If your company depends on accurate analysis of difficult-to-interpret data, Clostra's solution is the [Grab your reader's attention with a great quote from the

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