CONTACT NAME Haiyang Li: haiyangli@tuputech.com

GPU accelerated image recognition cloud services

Internet UGC images and videos recognition overall solution

TUPU 图普科技
http://open.tuputech.com

Introduction:
Big data backed image recognition

With the advent of the era of visual media, more and more information have been spread through images and videos. thus the demands of image anlysis and recognition are growing extremly fast. For those companies who need to process lots of images but don' t have the technology, TUPU have built an open platform to provide those companies a way to censor, search or mining images automatically and intellectually. Tuputech Clould Platform is the largest Image & Video Analysis cloud service provider in China and provides highly customizable services for its clients.

Smart Censor

Accurately detect porn, terrorism, ad images and videos, accuracy beyond 99.5%.

Image Mining

Multi-dimensional information extraction, mining useful data out of images.

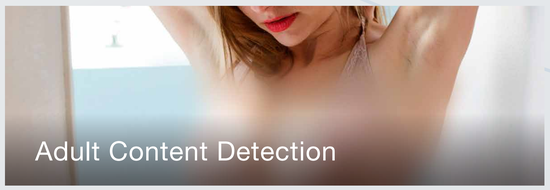
Image & Video search

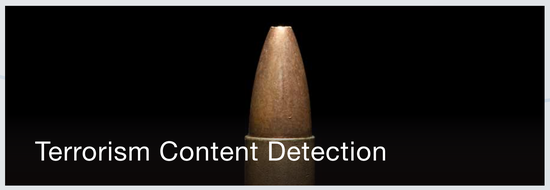
Providing powerful tools for developers to build image & video search engine, searching similar images or videos out of massive data.

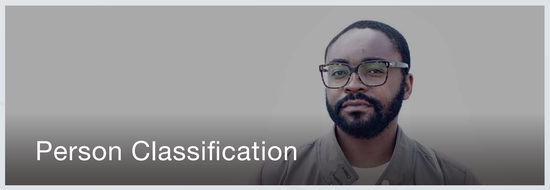
Highly Customisation

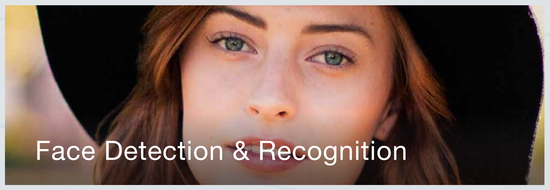
Accept customisation needs, provide specific solution for different situation.

Cloud Service



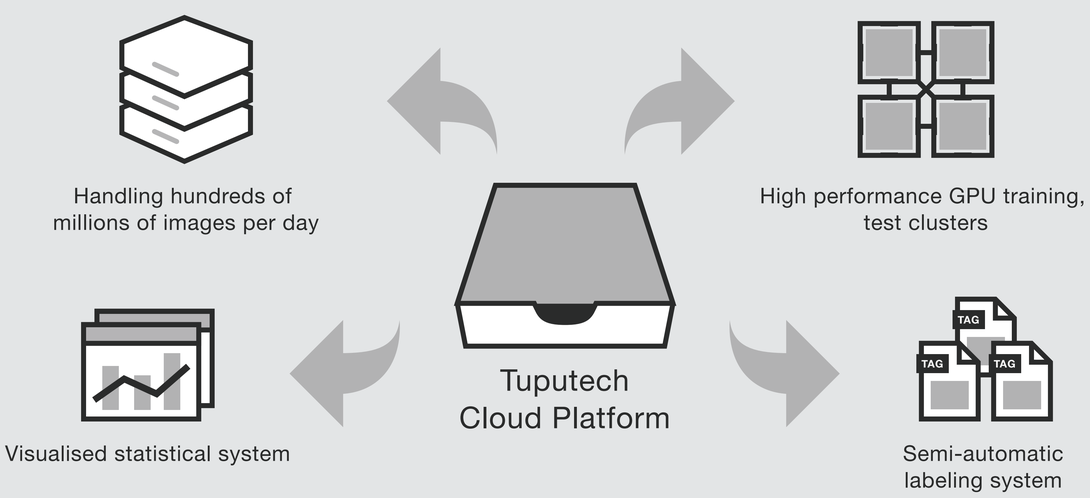






Solution

Powered by NVIDIA Tesla GPU acceleration, we can provide high throughput image recognition tasks. At present Tuputech Could Platform handles 200 million images per day.



1.A.I. aided semi-automatic marking system make marking operation move fast.

2.Using Multi-CPUs & Multi-GPUs to accelerate training and testing jobs. GPU resources is carefully assigned to achieve high performance.

3.Process (both training stage and testing stage) visulization making the understanding and control easily.

4.Pipelining any combinations of model you want to provide high flexibility.

5.A.I. aided review system.

Based on the technology mentioned above, we can achieve fast model iteration, optimisation, and reactive customisation for specific needs.

Features & Service Customisation

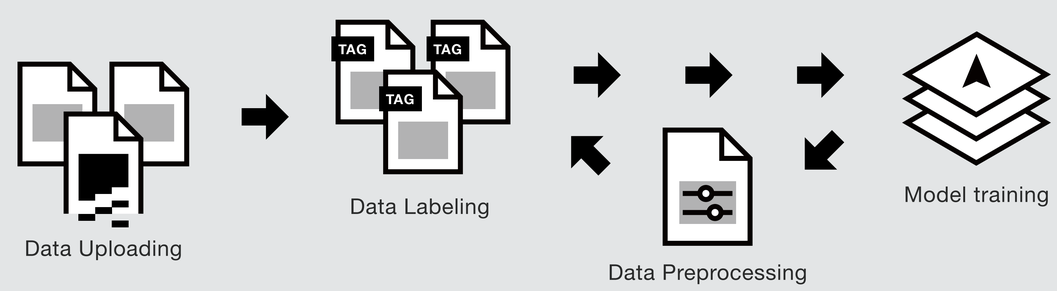
· **Easy to use:** highly engineered train & test flow along with visualisation making model iteration very easy to operate even for analysts without any deep learning knowledge.

· **Fast customisation:** based on our highly engineered platform, we can rapidly response to specific custom demands. create a very efficient iteration consists of data, marking, adjusting and re-training.

· **High throughput cloud services:** powered by high-performance GPU cluster, we can provide high throughput, high traffic image recognition cloud services.

· **Automatic model iteration:** by data user offering from its day to day basis we can spot the weakness of current model then apply specific strategy to improve it in next iteration.

· **High accuracy:** we differentiate our recognition outcome to two parts: positive and uncertain. the image which is positive have accuracy about 99.5%. the uncertain image provide some degree of references.



Clients

Scan the QR code on the right to access a free trail, or visiting our sites for more information.

https://open.tuputech.com/trail/projects