AI-powered Image Compliance Review System

VISMARTY **XILINX**

Filtering Violence and Prohibited Content in real-time

INTRODUCTION

Vismarty Image Compliance Review System enables media content providers and publishers detect, classify and filter out violent, terrorist and prohibited images and video frames from internet and social media contents using AI algorithm accelerated by Xilinx FPGA.
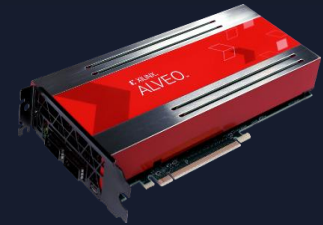
HIGHLIGH

- Ultra-low Latency：< 2ms
- High Accurancy：Missing alarm ratio≤0.5%
- High Thoughput：> 6,000,000 pcs/h
- Multiple Platform Supported：Providing Cloud、FPGA board and IP service
- Flexible AI Applications in one Board：Prohibited, Violence or used defined applications

- High Thoughput：1700 FPS

- Low Latency： <2ms

- Easy and Flex to adopt

AI DETECTION FOR

- Prohibited contents
- Violence contents
- Unvalid Face images
- Used defined functions

XILINX

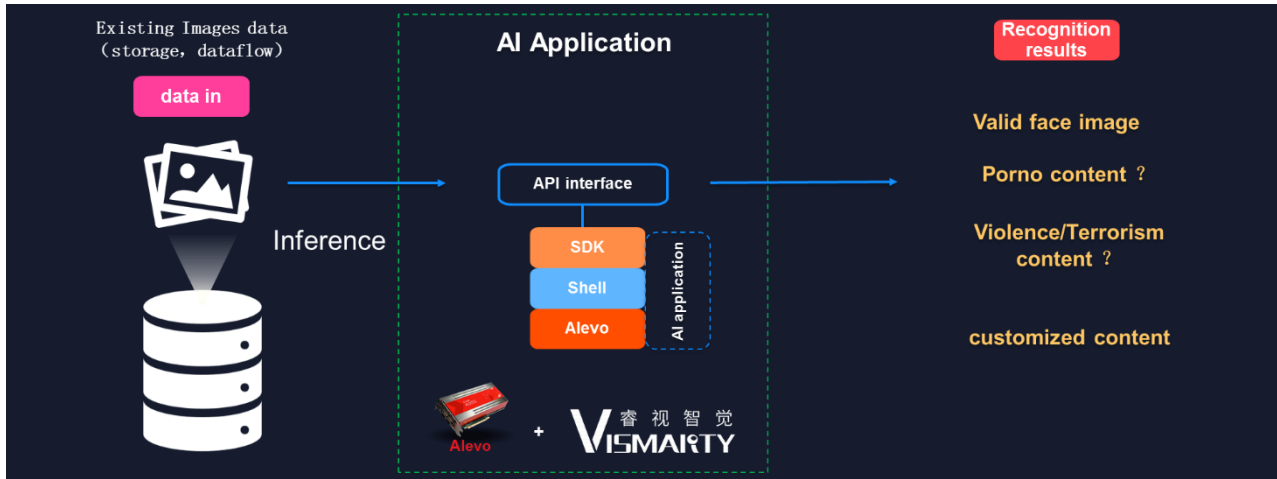**Adaptable. Intelligent.**

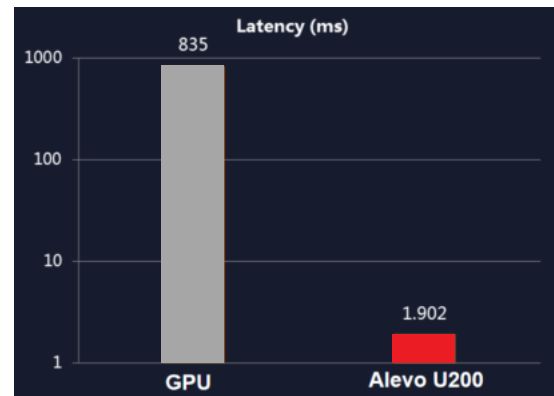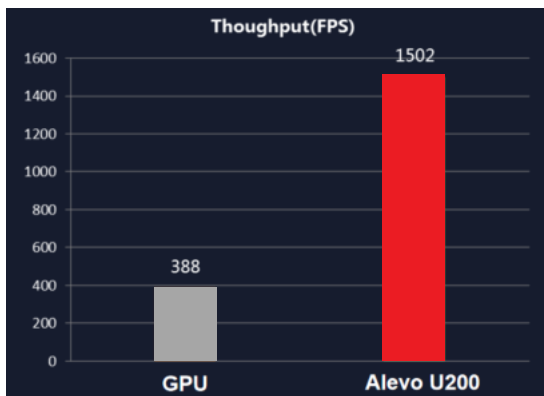## Filtering Violence and Prohibited Content in real-time

SOLUTION

Vismarty is an artificial intelligience company focusing on computer vision algorithms and FPGA acceleration technology development and providing image analytics services. It provides a host of image analytics services and solutions to enterprises in the cloud and on premise.

PERFORMANCE

- 3x Higher Thoughput
- X400 Lower Latency

(*) Benchmark results using Xilinx Alveo U200 + Intel Xeon E5-2695 CPU (management) vs. GPU(P4) Intel Xeon E5-2695 CPU.

Contact

Xilinx FPGA Board Alveo accelerator cards
Vismarty Website – http://www.vismarty.com
Vismarty Contact– net@vismarty.com

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