

Make better video, with Lower cost



Deep Learning Artificial Intelligence Solution for
Photos and Videos



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GDFLAB

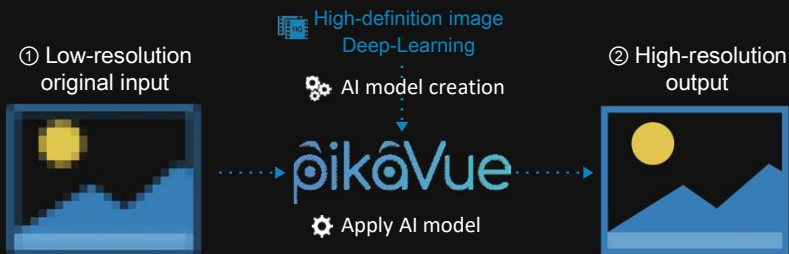
About Us

GDF Lab is a deep learning AI solution company specializing in photography/video. Currently, paying attention to the increasing video traffic, we are focusing on AI that receives low-quality images and converts them to high-definition. There are also other AI technologies that can be applied together, such as AI that removes the background by segmenting only the desired object, and AI that removes noise. Experience a wide variety of image/video AI solutions.

Technology Introduction

AI Upscale Engine PikaVue

PikaVue, an artificial intelligence engine developed by GDF Lab, converts low-quality images/videos into 4K-level high-quality images/videos generated by our deep learning AI technology. Currently, the general model is open to the public in the form of a website (pikavue.com), and for B2B companies, after re-learning the appropriate dataset, a high-efficiency AI model is developed and provided for the purpose.



Upscaling result

Low-resolution original sample



High-resolution output



Low-resolution original sample

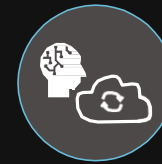


High-resolution output



Product Family

GDFLab's artificial intelligence upscaling engine PikaVue can be supplied in various forms as follows.



Software for PC/Server



Multi-GPU device



Mobile Application

Software for PC/Server

It can be quickly installed on the PC of the existing equipment and the server being used. If necessary, it can be installed and supplied in a cloud environment such as GCP/AWS.

Multi-GPU device

It is suitable for fields that require high-speed conversion of multiple high-resolution images in the form of embedding software after configuring multiple graphics cards to be used efficiently.

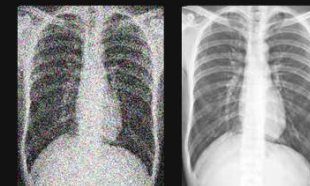
Mobile Application

Currently, it is the only stream-able solution in mobile environment that can be operated in AI industry. It saves data and prevents interruptions in services such as video calls and video streaming.

Performance

GDFLab has developed and delivered X-ray image quality improvement software, product background removal and automatic synthesis AI to domestic companies. As of October 2020, it has 15 domestic patents for AI upscaling, and 6 PCT cases. is pending.

X-ray image quality improvement software



Original Image

After applying GDFLab Technology

Product background removal and automatic synthesis AI



Original Image

Background Removal

Synthesis

※ Image adjusted for print