

Supercharge Your ML Model with Amazon SageMaker and Infer at the Edge using AWS DeepLens

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INFERENCE AT EDGE



Transportation



Smart Home



AR & VR



Robotics



Industrials



Body Cameras



AWS DEEPLENS



- Fully programmable video camera
- Intel Atom[®] Processor
- Intel Gen9 Graphics Engine
- Optimized for deep-learning on the device with Apache MXNet, Caffe, Tensorflow
- Integrated with Amazon SageMaker for custom models



PROJECT TEMPLATE



Object detection Detect 20 popular objects.



Artistic style transfer Make your surroundings look like Van Gogh's paintings.



Action recognition Recognize more than 30 kinds of actions.



Face detection
Detect all faces in your surroundings.



Hot dog recognition A hot dog or not a hot dog, that is the question.



Cat and dog recognition Locate and recognize your cat or dog.



DEMO

















WHY WE BUILT AMAZON SAGEMAKER?





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1 Zero Setup For Exploratory Data Analysis

- Recommendations/Personalization
- Fraud Detection
- Forecasting
- Image Classification
- Churn Prediction
- Marketing Email/Campaign Targeting
- Log processing and anomaly detection
- Speech to Text
- Optical Character Recognition
- Risk Modeling and Prediction
- Sentiment Analysis







ML Algorithms Optimized for 10x speed and Large datasets



Amazon provided Algorithms

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Managed Distributed Training With Flexibility



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in inference

Easy Model Deployment to SM Hosting



Let's Build



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