



### Input

Camera devices securely stream video to AWS using the Kinesis Video Streams SDK



### Kinesis Video Streams

Ingests, durably stores, encrypts, and indexes video streams for real-time and batch analytics



Amazon Rekognition Video



Amazon SageMaker

MxNet / TensorFlow

HLS-based video playback

Custom video processing

### Output

Real-time and batch-driven machine learning applications, video processing and playback services use Kinesis Video Streams API to access and retrieve indexed video