OPTIMIZING EFFICIENCY
IN AIR TRAVEL

Solution Brief

> SwiftDecoder™ SDK (Software Development Kit) enhances air operations by optimizing efficiency, ensuring robust data security, and refining workflows.

SwiftDecoder™ SDK is designed for decoding challenging barcodes in the most demanding scenarios. Tailored for airline companies, it streamlines processes, reduces costs by eliminating manual errors and enhances daily operations with high speed, and excellent recognition rates and accuracy. Not only does SwiftDecoder SDK improve the worker and customer experiences but also safeguards data through the development of cutting-edge solutions. With our MRZ reader, you can integrate passport and boarding pass scanning capabilities into new or existing applications.

BAG MANAGEMENT AND TAG SCANNING

Airline operations encounter many challenges when it comes to bag management and tag scanning. With the SwiftDecoder SDK, airlines can increase speed and accuracy in baggage handling as well as better tracking and management.

Whether it is being able to rapidly search and find baggage in lost-and-found or under-the-wing storage or scanning distorted, dark, batch and moving barcodes, SDK is the solution.

Challenges

- Randomly placed tags on luggage make barcode scanners unable to detect the barcode properly.
- Poorly printed, deformed, and torn tags are challenging to read.
- Tags are much smaller than the luggage size making it difficult for the barcode readers to see.
- Reading barcodes from a live video stream is a difficult task for ordinary scanners.

SwiftDecoder SDK Solutions

- Can quickly locate and scan barcodes on the tag at any orientation.
- AR Overlay provides visual prompt so finding correct bag is quick and easy.
- Exceptionally effective in reading challenging barcodes and barcodes of any size – no matter how small.
- High accuracy when reading barcodes from a live video stream.

SWIFTDECODER SDK BENEFITS

- Streamlines processes and optimizes efficiency
- Improves the worker and customer experience
- Reduces costs
- Safeguards data
- Increases speed and accuracy in baggage handling
- Locates and scans barcodes on tags at any orientation and size quickly
- Accurately reads barcodes from a live video stream
- Integrates passport and boarding pass scanning capabilities into applications with MRZ reader
- Provides robust support and regular updates to users

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OPTIMIZATION AND INTEGRATION

SwiftDecoder's optimized algorithms, high-speed, and flexible decoding capabilities ensure efficient barcode recognition. Integration is easy, allowing developers to incorporate barcode scanning, OCR and AR functionalities, thereby facilitating a smooth implementation process.

With 50 years of scanning innovation, Honeywell is a global leader in the industry. The SwiftDecoder SDK leverages Honeywell's extensive experience and expertise in barcode technology, that offers robust functionality and dedicated support along with regular updates. We work to keep our technology current and remain aware of evolving trends, standards, and customer requirements.

SUPPORT PLATFORMS

SwiftDecoder supports a wide range of camera-enabled devices including smartphones, tablets, PCs, payment terminals, drones, robotics, industrial and purpose-built devices. The SwiftDecoder solution is also compatible with major operating systems including iOS®, Android™, Windows® and Linux™, and wrappers like .NET MAUI®, Cordova™ and React Native™.

DOWNLOAD OUR DEMO APP

Turn your device into a powerful scanner today with our SwiftDecoder Demo App. You can test a wide range of scan modes that work across industries, including beyond barcode data and image capturing capabilities like optical character recognition (OCR), and ID scanning. Click the links below to download the demo app or search 'HONEYWELL BARCODE SCANNER' in your app store.

Download from the Apple App Store:

Download from the Google Play Store:

REGISTER FOR A FREE TRIAL

Get your project started with a 60-day SwiftDecoder free trial. Simply provide the information requested to complete the Trial Software Agreement and a Honeywell representative will get in touch to organize your trial license. You can also access our trial program from the SwiftDecoder Demo App.

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