

SWIFTDECODER™

FAQs

ABOUT

1. What is SwiftDecoder?

SwiftDecoder is Honeywell's comprehensive, easy-to-use SDK (software development kit), that enables customers to develop native or hybrid applications for camera-enabled devices to perform barcode decoding.

2. Why choose SwiftDecoder?

SwiftDecoder is based on Honeywell-patented, field-proven algorithms, that deliver the speed, range and accuracy to help boost performance. It offers flexibility with more than 100 symbologies supported. Fewer misreads per millions demonstrates high accuracy. SwiftDecoder is also compatible with a wide range of hardware such as mobile phones, tablets, PCs, payment terminals, industrial cameras and purpose-built devices.

3. What applications are supported by SwiftDecoder?

SwiftDecoder is a machine vision-enabled software, designed for the development of a wide range of applications. The software development kit provides image processing at the edge and on the cloud, helping to improve operational productivity and performance, while delivering a great user experience and excellent customer satisfaction. The software allows for streamlining complex workflows in almost every industry, including healthcare, retail, transportation, logistics, warehouse automation, hospitality and access control.

4. What is included with SwiftDecoder?

SwiftDecoder consists of the main SDK that enables the core capability of barcode decoding. For workflow enhancing capabilities, additional microservices such as data parsing, optical character recognition (OCR), driving license scanning and more are available based on customer needs (please note, microservices require purchasing of the main SDK).



BENEFITS

5. Why choose SwiftDecoder over open-source software?

SwiftDecoder delivers high performance and reliability for the most complex applications and workflows. SwiftDecoder supports all 1D and 2D barcodes approved by GS1 standards. You can rely on Honeywell, a global leader with over 45 years of scanning innovation and over 1,000 scanning and decoder patents.

6. What are the main functions enabled by SwiftDecoder?

Software developers can build applications capable of:

- Analyzing a digital image
- Identifying and decoding over 100 barcodes symbologies
- Capturing and parsing data from driver licenses and motor vehicle documents
- Capturing and parsing data from travel documents (including passports and boarding passes)
- Capturing OCR (OCR-A/B) data with the expanded capabilities to have templates for custom documents and tags

In addition, SwiftDecoder provides various scanning capabilities such as:

- Preview and select
- Batch scanning
- Targeting modes
- Windowing modes

Please refer to the [datasheet](#) for additional details.

7. Does SwiftDecoder support augmented reality?

SwiftDecoder supports augmented reality, including our 'Preview and Select' and 'Batch Scan' capabilities. Where there are several barcodes present, search-and-find functionality can highlight a specific barcode to help improve workflows, especially in warehouse, transportation and logistics applications. Barcode location coordinates can also be used to overlay visual information for the end user.

8. How easy is it to design SwiftDecoder into my scanning solution?

- SwiftDecoder is the perfect choice for software developers and independent software vendors (ISVs). The SDK will need to be integrated by a software developer into an application based on one of the compatible platforms
- For non-mobile applications, such as fixed-mount and embedded applications, additional engineering is required to develop the image capture component of your scanning solution.
- For mobile applications developed for iOS® or Android™, SwiftDecoder includes integrated scanning and camera management APIs, resulting in faster time to develop and market.

9. Does SwiftDecoder support any device?

- SwiftDecoder-based applications work with most third-party camera-enabled hardware
- For mobile applications, the software leverages the embedded device's camera (iPhone®, iPad®, Android-based phones and tablets) or sleds with dedicated cameras
- For fixed applications, it will leverage the purpose-built camera (scanners, payment terminals, robotic arms camera, drones with camera, high-speed sorting machines and more)
- Please refer to the [datasheet](#) for more information.

HOW TO BUY

10. How cost effective is SwiftDecoder?

Applications developed using SwiftDecoder enable people to become more productive and efficient by being faster, accurate and enhancing their workflows using various enabling technologies. SwiftDecoder broad compatibility with camera enabled hardware allows customers to choose cost-effective hardware solutions, effectively reducing CAPEX and moving to an OPEX model.

11. How do I buy SwiftDecoder?

[Contact your Honeywell sales representative](#), who will provide you with a software license agreement. Once signed, you can place an order for SwiftDecoder products.

12. Is there a “try before you buy” option?

SwiftDecoder offers a trial-based SDK for any of the products. To enroll in the trial program, please proceed to fill out the following form at: https://explore.honeywell.com/SwiftDecoder_Trial_Request.html

13. What is the price of SwiftDecoder products?

We offer simple and flexible pricing built to meet customer requirements. SwiftDecoder is offered either as perpetual or subscription/term licensing. Additional discounts may be available for multi-year contracts and depending on the volumes of licenses needed. For more details, [contact your Honeywell sales representative](#).

SUPPORT

14. Is there anything I need to do before using SwiftDecoder?

There is no special need other than the requirement on the SwiftDecoder SDK to match the development and deployment OS. Please refer to the [datasheet](#) for compatibility and inform your Honeywell sales representative of your application needs.

15. What is an activation and/or entitlement ID?

- An activation ID is a subset of an entitlement ID (many to one)
- An entitlement ID can contain multiple activation IDs
- We advise that customers activate their license through entitlement ID-based activation so that each activation connected to the pool of available licenses under the entitlement

16. What development platforms are supported?

SwiftDecoder provides developers with a flexible, reliable and simple solution to meet data and image capture needs. Whether developing native or hybrid applications, our SDK supports major operating systems and development frameworks, ensuring maximum performance regardless of how the application is developed. We are constantly updating our software to support the latest operating systems, wrappers and development platforms. For the latest compatibility please consult the [datasheet](#).

17. Is there a way to test SwiftDecoder without having to do any software integration?

Honeywell offers a free barcode decoding demo application to let you test the capabilities and functionalities that SwiftDecoder has once integrated into an application. You can download the free demo from your [Google Play™ Store](#) or [iOS App Store®](#).

18. What if I have a question about SwiftDecoder?

Our team of experts are on hand to support you with any questions. [Please contact your Honeywell sales representative.](#)

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