

September 4, 2024

# VISION SOLUTIONS EMPOWERING WORKFLOWS

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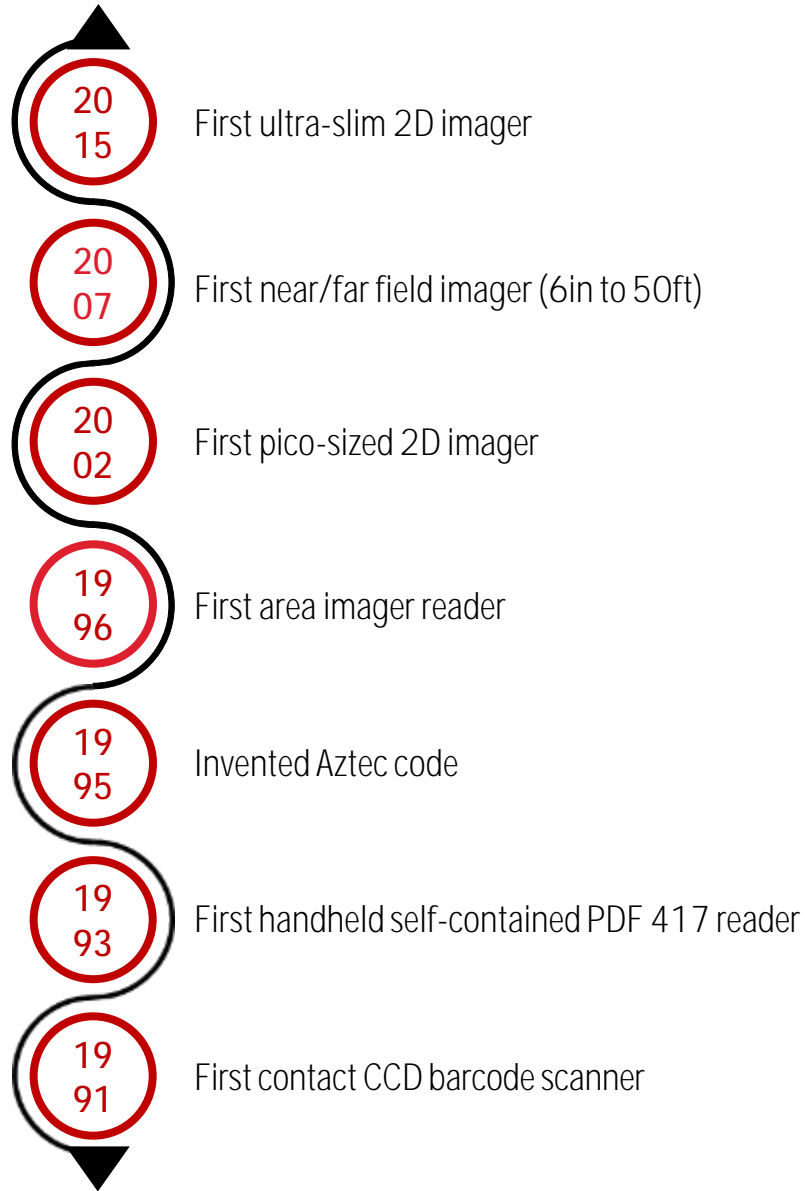
# SWIFTDECODER™

VISION TECHNOLOGY SOLUTION

September 4, 2024

# Honeywell

# DOMAIN EXPERTISE



# 50

## Years of Scanning Innovation

## Global Leader in Scanning



# SWIFTDECODER | INDUSTRIES & APPLICATIONS



# INDUSTRY INSIGHTS



## SOFTWARE DECODING INDUSTRY

<sup>1</sup>2020 \$ 649.7m  
CAGR 7.1%  
2027 \$931.6m



## VISION SOLUTIONS INDUSTRY

<sup>2</sup>CAGR 13.5%  
2025 32.39B



## INDUSTRY INSIGHTS

- IoS in Healthcare
- Consumer devices in Retail
- Emergence of augmented reality
- Businesses deploy apps first devices second



1: <https://primemarketreports.com/ict-and-media/global-barcode-decoding-software-2022-943>

2: <https://grandviewresearch.com/industry-analysis/computer-vision-market>



# SWIFTDECODER | VISION SOLUTIONS FOR RETAILERS

Optimizing a variety of retail workflows including contactless payments, self-shopping, click and collect, line busting, curbside pickup, inventory management/replenishment and more.



# SWIFTDECODER | VISION SOLUTIONS FOR TRANSPORT & LOGISTICS

SwiftDecoder optimizes a variety of transportation & logistics workflows including, package loading and delivery, package tracking, package sortation, and more.



# SWIFTDECODER | VISION SOLUTIONS FOR ACCESS CONTROL

SwiftDecoder optimizes a variety of workflows including, ID & age verification, ticketing, admissions, car renting, transportation hubs checking, and many more.





# SWIFTDECODER | VISION SOLUTIONS FOR WAREHOUSE AUTOMATION

SwiftDecoder improves a variety of warehouse workflows including, receiving, put-away, storing, picking, packing shipping and more. SwiftDecoder can also enable automation using drones or co-bots increasing productivity and reducing labor costs.



# SWIFTDECODER | WHAT IS IT?

- § SwiftDecoder is an easy-to-use SDK that enables customers to develop native or hybrid apps for any camera enabled device to perform barcode decoding
- § Uses the same decoding technology from our mobile computers
- § SwiftDecoder allows end-users to acquire and process data and images quickly and reliably in the most complex workflows using Honeywell's proprietary algorithms, which enable speed, performance, range and accuracy



**Easy to Use**



**Accuracy**



**Performance**



**Speed**



**+100 symbologies**



**Multi-Platform**



# SWIFTDECODER™ | SOLUTION OVERVIEW

## Over 100 Barcode Symbologies

Comprehensive set of symbologies embedded into core decoding and database

## Advanced Image Processing

Read low contrast, damaged barcodes and any difficult to read barcodes

## Proven Performance

Scans millions of barcodes every day with few misreads.

## Snappiness

Faster in snappiness than competitive enterprise software

## Device Flexibility

Works with smartphones, tablets, kiosks, payment terminals, mail sorting machines and much more

## OS Agnostic

Multi-platform support. Android, iOS, Windows UWP, .net Maui, Cordova, React Native, Flutter, Capacitor, Linux, JavaScript

## Camera Support

Scans with built in camera, imager, or other connected camera or optical module

## Beyond Barcodes

Augmented Reality, OCR, and image capture for complex workflows



Over 50 years of innovation in barcode scanning



# SWIFTDECODER™ | KEY VERTICALS

## Retail



Improves profitability and customer experience by optimizing a variety of retail workflows.

## Healthcare



Brings patient safety to the forefront of every application by reducing medical errors and connecting patients to the right care at the right time.

## T&L



Increases efficiency and reduce errors in logistics' receiving and delivery, through flexibility and accuracy.

## Warehouse Automation



Increasing the productivity and reducing the inventory errors in the warehouse through accuracy and scanning range flexibility.

## Access Control



Streamlines the processing, reducing customer's time at the control points.

### Use Case Examples:

- Contactless payments
- Self-shopping
- Click and collect
- Line busting
- Curbside pickup
- Inventory management /replenishment

- Patient check in
- Bedside scanning
- Prescription dispensing
- Pharmacy & laboratory management
- Inventory tracking

- Package loading and delivery
- Package tracking
- Package sortation
- Last mile delivery

- Pick, Pack, Put-Away
- In-line assembly
- Inventory management
- Palletizing
- Robotics
- Drones

- Passport & driver's license reading
- ID & age verification
- Ticketing & admissions
- Car renting
- Gate entrance
- Elevator access
- Parking solutions

# SWIFTDECODER | SCANNING MODES



**WINDOWING:** Capture a barcode when within a user-defined window overlay on the camera feed



**TARGETING:** Capture a barcode when targeted by the aimer overlay on the camera feed



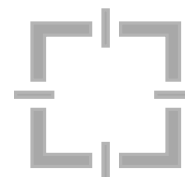
**PREVIEW & SELECT:** Allows you to select the desired barcode from the highlighted barcodes in the viewfinder. Only collect decoded data from the selected barcode



**CONTINUOUS SCAN:** Scan barcodes and return decoded results continuously



**BATCH SCAN:** Search for a user-defined number of barcodes before returning the results back to the application; SwiftDecoder™ for Android™ and iOS® can process up to 10 codes per frame



**MANUAL:** Default mode for identifying and decoding barcodes within the captured image



**BASIC SCAN:** Scan one barcode at the time



**UNATTENDED:** Read barcodes with a known location, symbol size or/and orientation for high-speed decoding

## Legenda

