

VISION SOLUTIONS

Helping Customers Simplify Their Workflows
for Over 40 Years

Product Range Guide



Honeywell



SWIFTDECODER™ SOFTWARE SOLUTION

SwiftDecoder enables customers to develop applications that perform barcode decoding, OCR applications, using AR and many other features, simplifying their workflows through faster reliable data acquisition in the most complex environments.

Customers can easily integrate their application into any operating system running on any mobile or fixed devices. SwiftDecoder is compatible with the following deployment environments:

- iOS®
- Android™
- Windows®
- Linux®
- Cordova™
- Xamarin™
- React Native™

SwiftDecoder enables various barcode scan modes to meet any workflow need:

WINDOWING

Capture a barcode only when it is within the window

PREVIEW & SELECT

Enabled scanning to select the desired barcode among many

TARGETING

Capture a barcode only when it is targeted by the aimer

CUSTOM SCAN

Read a barcode only when it meets a custom requirement; size, symbology, content, etc.

BATCH SCAN

Read many barcodes simultaneously when in the window of view

CONTINUOUS SCAN

Read barcodes continuously within tens-of-milliseconds

SwiftDecoder offers capabilities beyond barcode decoding such as microservices that are licensable as add-ons:

- **EasyDL** for USA and Canada driving license PDF417 reading and parsing
- **OCR** type A/B parsing
- **Passport MRZ** reading and parsing
- **Boarding pass** PDF417 reading and parsing
- **Motor vehicle** documents with PDF 417 reading and parsing

UNDECODED SCAN ENGINES

GENERAL

| | |
|---|---|
| <p>N4603SR</p> <ul style="list-style-type: none"> • Up to 5,84 m/s • VGA, GS, SR, 120 fps • Ht: 8,1 mm • 3.3 V MIPI |  <p><i>compact</i></p> |
| <p>N360XSR</p> <ul style="list-style-type: none"> • Enhanced read range • 1 Mpx, RS, SR, 30 fps • Ht: 8,1 mm • 3.3 V, para or MIPI |  <p><i>compact</i></p> |
| <p>C210X + SwiftDecoder</p> <ul style="list-style-type: none"> • Camera module bundled with Swiftdecoder • VGA w/o illumination • Up to 120 fps |  |

ADVANCED


| | |
|--|---|
| <p>N6803MR</p> <ul style="list-style-type: none"> • SmartAdaptus™ 8.0 • Read range up to 6 m • 1.5 Mpx, GS • Ht: 6,8 mm • 1.8 V to 3.3 V, MIPI |  <p><i>ultra slim</i></p> |
| <p>N670XSR</p> <ul style="list-style-type: none"> • Enhanced read range • Up to 6 m/s • 1 Mpx, GS, 60 fps • Ht: 6,8 mm • 3.3 V, para or MIPI |  <p><i>ultra slim</i></p> |
| <p>N660X Series</p> <ul style="list-style-type: none"> • Up to 5,84 m/s • GS, SR or GR, 60 fps • Ht: 6,8 mm • 3.3 V, para or MIPI |  <p><i>ultra slim</i></p> |
| <p>N560X Series</p> <ul style="list-style-type: none"> • WVGA, GS, 60 fps • HD, SR, ER • Ht: 12,5 mm • 3.3 V, para |  |

PREMIUM

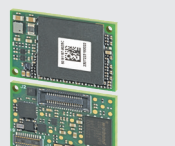
| | |
|--|--|
| <p>Extended FlexRange™ EX30</p> <ul style="list-style-type: none"> • 10 cm to 20 m • Up to 6 m/s • Dual sensor, 1 Mpx, GS, 60 fps • 3.3 V para or MIPI |  |
| <p>N6803FR</p> <ul style="list-style-type: none"> • SmartAdaptus™ 8.0 • Enhanced read range up to 10 m • Dual sensor, 2.3 Mpx + 1 Mpx, GS • Ht: 6,8 mm • 3.3 V, MIPI |  <p><i>ultra slim</i></p> |
| <p>N6700SR-R*</p> <ul style="list-style-type: none"> • Red illumination configuration • Digimarc® ready |  |
| <p>N6703HD</p> <ul style="list-style-type: none"> • DotCode ready • DPM option |  <p><i>ultra slim</i></p> |
| <p>N5600WA</p> <ul style="list-style-type: none"> • Space saving • 68° horizontal FOV • WVGA, GS, 60 fps • 3.3 V, para |  |

DECODER BOARDS



ADVANCED


| | |
|---|--|
| <p>GEN7 DB</p> <ul style="list-style-type: none"> • 3.3 V, 8 MB • 20 mm × 14 mm • TTL-RS-232 or USB • EZDL Plug-in, DPM, OCR |  |
|---|--|

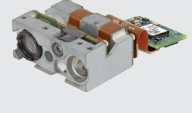
PREMIUM

| | |
|--|---|
| <p>GEN8 DB</p> <ul style="list-style-type: none"> • 3.3 V • 1.2 GHz dual processor • 20 mm × 14 mm • TTL or USB |  |
|--|---|

DECODED SCAN ENGINES





| GENERAL | |
|---|---|
| N3681 <ul style="list-style-type: none"> • 1 Mpx, RS, SR • 5 V Micro USB |  |
| N4680 Series <ul style="list-style-type: none"> • VGA, GS • SR, up to 120 fps • 5 V USB or 3.3 V TTL-RS-232 |  |

| ADVANCED | |
|--|--|
| N6680 and N6780 <ul style="list-style-type: none"> • Flexible choice of optics • MINI DB-02 • 5 V, Micro USB |  |
| N568X <ul style="list-style-type: none"> • WVGA, GS • 60 fps • USB 1.1, USB 2.0 (micro B) or TTL-RS-232 |  |

| PREMIUM | |
|--|---|
| Honeywell Extended FlexRange™ EX30+GEN7 DB <ul style="list-style-type: none"> • 5 ms autofocus optic • 10 cm to 20 m • Up to 6 m/s • Dual sensor, 1 Mpx, GS, 60 fps • 3.3 V, USB or TTL-RS-232 |  |

CUSTOMER-FACING STATIONARY MODULES

| GENERAL | |
|--|---|
| CF4680 <ul style="list-style-type: none"> • Presence detection • 91 mm × 105 mm × 75 mm overall • 61 mm × 73 mm window • 5 V, USB |  |
| CM4680 <ul style="list-style-type: none"> • Standard performance (standard range) • 640 pixels x 480 pixels |  |
| HF521 <ul style="list-style-type: none"> • 42 mm × 42 mm × 33 mm • VGA, GS, WA • 60 fps • USB or TTL-RS-232 |  |

| ADVANCED | |
|--|--|
| HF561 Series <ul style="list-style-type: none"> • Up to 3 m/s • WVGA, GS, SR or ER • 60 fps • USB or TTL-RS-232 |  |
| Vuquest 3330g <ul style="list-style-type: none"> • 74 mm × 50 mm × 26 mm • WVGA, GS, SR or HD • 60 fps • USB or TTL-RS-232 or KBW trigger |  |
| CM5680 <ul style="list-style-type: none"> • Enhanced performance (standard range) • 844 pixels × 640 pixels |  |
| CM2180 <ul style="list-style-type: none"> • Specialized performance (megapixel) • 1280 pixels × 800 pixels |  |

GLOSSARY

VGA: 640 pixels × 480 pixels

WVGA: 844 pixels × 640 pixels

Mpx: Megapixel

GS: Global Shutter

RS: Rolling Shutter

SR: Standard Range

ER: Extended Range

HD: High Density

WA: Wide Angle

Fps: Frames per second

FOV: Field of View

Para: Parallel interface

MIPI: Mobile Industry Processor Interface

Ht: Height

KBW: Keyboard Wedge

DPM: Direct Part Marking

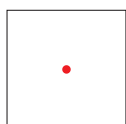
OCR: Optical Character Recognition

TTL-RS-232: Transistor-Transistor Logic



AIMERS & PATTERNS

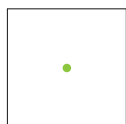
Honeywell offers a large choice of advanced LED and laser aiming patterns and illuminations to meet your needs.



red dot LED aimer
(N4680 Series)



red laser aimer and framer
(N6703, N6603, N56X3)



green dot LED aimer
(N3601)



high bright green LED cross aimer
(N6700)

TEST BARCODES

Honeywell 2D imagers omnidirectionally read Linear, Stacked, Matrix, Composite, and Postal barcodes, as well as OCR codes.

LINEAR BARCODES

| | | |
|---|---|---|
| <p>Code 39</p>  <p>A B C 1 2 3</p> | <p>Codabar</p>  <p>A 1 2 3 4 5 6 7 8 B</p> | <p>Code 128</p>  <p>01234657890</p> |
| <p>Interleaved 2 of 5</p>  <p>1 2 3 4 5 6 7 8 9 0 1 2 3 4</p> | <p>GS1 DataBar</p>  <p>(01)5512345678901(2)</p> | <p>U.P.C.- A</p>  <p>1 2 3 4 5 6 6 7 8 9 0 3</p> |
| <p>GS1 128</p>  <p>0 1 1 2 3 4 5 6 7 8 9 0</p> | <p>GS1 DataBar Limited</p>  <p>(01)1234567890123(1)</p> | <p>EAN - 8</p>  <p>5 0 8 1 8 8 8 4</p> |
| <p>Code 93 / 93i</p>  <p>A B C 1 2 3 4 5</p> | <p>GS1 DataBar Expanded</p>  <p>(01)9881234567890(6)</p> | <p>EAN - 13</p>  <p>9 7 8 1 2 3 4 5 6 7 8 9 7</p> |

STACKED BARCODES

| | |
|---|---|
| <p>Micro PDF417</p>  <p>(37 characters)</p> | <p>PDF417</p>  <p>(38 characters)</p> |
| <p>GS1 DataBar Stacked</p>  <p>(01)3210987654321(1)</p> | <p>GS1 DataBar Exp. Stacked</p>  <p>(01)5512345678901(2)15991231</p> |

MATRIX BARCODES

Data Matrix



(43 characters)

Aztec Code



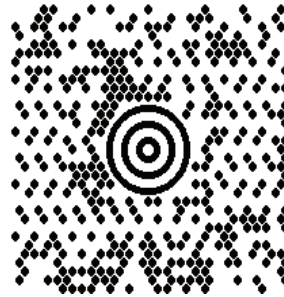
(243 characters)

QR Code



(39 characters)

Maxicode



(40 characters)

COMPOSITE BARCODES

RSS Limited + Composite



“0112345678901231”
+38 characters

EAN-128 + Composite



“0112345678901231”
+34 characters

POSTAL BARCODES

Postnet



OCR Codes

OCR-A

32478450

OCR-B

00001234



Honeywell offers a variety of barcode decoding vision solutions. Add as much or as little as your application needs. Suitable to support many applications, including mobility, payment, healthcare, retail, warehouse, kiosk, lottery, access control, logistics, point of sales and industrial, the Honeywell portfolio of scan engines, scan modules, decoder boards and software solutions will have you up and running as quickly as possible.

With decades of experience in scanning and decoding, Honeywell's broad portfolio and engineering expertise help design engineers to solve their technical challenges and select the right product and software for their specific applications.

Get in touch with us to discover the potential of Honeywell vision solutions.

For more information

Honeywell Sensing and Safety Technologies services its customers through a worldwide network of sales offices and distributors. For application assistance, current specifications, pricing, or the nearest Authorized Distributor, visit sps.honeywell.com/ or call:

| | |
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