

HONEYWELL **VISION** **SOLUTIONS**

Helping Customers Simplify Their Workflows
for Over 40 Years

Pocket 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	TARGETING Capture a barcode only when it is targeted by the aimer	BATCH SCAN Read many barcodes simultaneously when in the window of view
PREVIEW & SELECT Enabled scanning to select the desired barcode among many	CUSTOM SCAN Read a barcode only when it meets a custom requirement; size, symbology, content, etc.	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		ADVANCED		PREMIUM	
N4603SR • Up to 5,84 m/s • VGA, GS, SR, 120 fps • Ht: 8,1 mm • 3.3 V MIPI	 <i>slim</i>	N670XSR • Enhanced read range • Up to 6 m/s • 1 Mpx; GS, 60 fps • Ht: 6,8 mm • 3.3 V, para or MIPI	 <i>ultra slim</i>	Extended FlexRange™ EX30 • 10 cm to 20 m • Up to 6 m/s • Dual sensor, 1Mpx, GS, 60 fps • 3.3 V para or MIPI	
N360XSR • Enhanced read range • 1 Mpx, RS, SR, 30 fps • Ht: 8,1 mm • 3.3 V, para or MIPI	 <i>slim</i>	N660X Series • Up to 5,84 m/s • GS, SR or GR, 60 fps • Ht: 6,8 mm • 3.3 V, para or MIPI	 <i>ultra slim</i>	N6700SR-R* • Red illumination configuration • Digimarc® ready	
C210X + SwiftDecoder • Camera module bundled with SwiftDecoder • VGA w/o illumination • Up to 120 fps		N560X Series • WVGA, GS, 60 fps • HD, SR, ER • Ht: 12,5 mm • 3.3 V, para		N5600WA • Space saving • 68° horizontal FOV • WVGA, GS, 60 fps • 3.3 V, para	
		GEN7 DB • 3.3 V, 8 MB • 20 mm x 14 mm • TTL-RS-232 or USB • EZDL Plug-in, DPM, OCR		GEN7 DB • 3.3 V, 8 MB • 20 mm x 14 mm • TTL-RS-232 or USB • EZDL Plug-in, DPM, OCR	

DECODED SCAN ENGINES

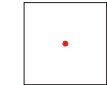
GENERAL		ADVANCED		PREMIUM	
N3681 • 1 Mpx, RS, SR • 5 V Micro USB		N6680 and N6780 • Flexible choice of optics • MINI DB-02 • 5 V, Micro USB		Honeywell Extended FlexRange™ EX30 + GEN7 DB • 5 ms autofocus optic • 10 cm to 20 m • Up to 6 m/s • Dual sensor, 1 Mpx, GS, 60 fps • 3.3 V, USB or TTL-RS-232	
N4680 Series • VGA, GS • SR, Up to 120 fps • 5 V USB or 3.3 V TTL-RS-232		N568X • WVGA, GS • 60 fps • USB 1.1, USB 2.0 (micro B), or TTL-RS-232			
					
					

CUSTOMER-FACING STATIONARY MODULES

GENERAL		ADVANCED		GLOSSARY VGA: 640x480 pixels WVGA: 844x640 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
CF4680 • Presence detection • 91 mm x 105 mm x 75 mm overall • 61 mm x 73 mm window • 5 V, USB		HF561 Series • Up to 3 m/s • WVGA, GS, SR or ER • 60 fps • USB or TTL-RS-232		
CM4680 • Standard performance (standard range) • 640 pixel x 480 pixel		Vuquest 3330g • 74 mm x 50 mm x 26 mm • WVGA, GS, SR or HD • 60 fps • USB or TTL-RS-232 or KBW • trigger		
HF521 • 42 mm x 42 mm x 33 mm • VGA, GS, WA • 60 fps • USB or TTL-RS-232		CM5680 • Enhanced performance (standard range) • 844 pixel x 640 pixel		
CM2180 • Specialized performance (megapixel) • 1280 pixel x 800 pixel				

AIMERS AND 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

Code 39



A B C 1 2 3

Codabar



A 1 2 3 4 5 6 7 8 B

Code 128



01234657890

Interleaved 2 of 5



1 2 3 4 5 6 7 8 9 0 1 2 3 4

GS1 DataBar



(01)5512345678901(2)

U.P.C.- A



1 2 3 4 5 6 6 7 8 9 0 3

GS1 128



0 1 1 2 3 4 5 6 7 8 9 0

GS1 DataBar Limited



(01)1234567890123(1)

EAN - 8



5 0 8 1 8 8 8 4

Code 93 / 93i



A B C 1 2 3 4 5

GS1 DataBar Expanded



(01)9881234567890(6)

EAN - 13



9 7 8 1 2 3 4 5 6 7 8 9 7

Stacked Barcodes

Micro PDF417



(37 characters)

PDF417



(38 characters)

GS1 DataBar Stacked



(01)3210987654321(1)

GS1 DataBar Exp. Stacked



(01)5512345678901(2)15991231

Matrix Barcodes

Data Matrix



(43 characters)

Aztec Code



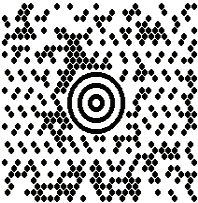
(243 characters)

QR Code



(39 characters)

Maxicode



(40 characters)

Composite Barcodes

RSS Limited + Composite



“0112345678901231”
+ 38 chars

EAN-128 + Composite



“0112345678901231” + 34 chars

Postal Barcodes

Postnet



OCR Codes

OCR-A

32478450

OCR-B

00001234

FOR MORE INFORMATION

Honeywell services its customers through a worldwide network of sales offices and distributors. For application assistance, current specifications, pricing or the nearest Authorized Distributor, visit our [website](#) or call:

USA/Canada	+1 302 613 4491
Latin America	+1 305 805 8188
Europe	+44 1344 238258
Japan	+81 (0) 3-6730-7152
Singapore	+65 6355 2828
Greater China	+86 4006396841

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.

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