2D BARCODE SCAN ENGINES

N360X Series 2D Compact Scan Engine

N360X engines offer compact size, easy integration. Undecoded engine with LED (N3601) or laser (N3603) aiming systems.

Overview

Honeywell Productivity Solutions and Services is now part of Brady Corporation.

The N360X Series 2D barcode scan engine is a very compact, undecoded 2D imager designed for use in mobile devices. The N360X Series inherits Honeywell's long history of successful decoding experience and hardware performance to provide an easier-to-integrate, enhanced performance device that fits into tight mobile device designs.

Parallel or MIPI interface availability helps simplify integration into mobile devices that require the most current, as well as traditional, processor interfaces. The dimensions (8,1 mm [0.32 in] height x 10,8 mm [0.43 in] depth) are some of the most compact in its class. The reduced footprint frees up room for other technology integration.

The N360X Series does not compromise on performance. Based on a 1 Mpx rolling shutter sensor, the N360X Series increases its read range by 80% versus traditional VGA sensor-based imagers and can read EAN 100% at 541 mm [21.3 in] distance (typical read range). Its new sensor enables the reading of higher resolution codes (down to 3 mils on Code 39 1D barcode) and the white LED illumination system enhances image capture results and readability of colored barcodes. The N360X Series is equipped with either a high definition green LED dot aimer (N3601), adapted for customer facing and healthcare applications, or a thin, bright laser aiming system (N3603) that enables reading multiple barcodes close to each other and is more visible in low light or bright light environments.

The wide operational temperature range (-20°C to 50°C [-4°F to 122°F]) allows expansion into more demanding applications and the lower power consumption (152 mA to 170 mA at 3.3 V, typical) increases the battery life provided by a single charge.

This product is compatible with Honeywell's N660X Series and N670X High Performance 2D Imager and uses the same connector as these two scan engine families, reducing integration time and design costs while increasing design flexibility and choice. The N670X is even slimmer than the N360X Series and both can fit in compact enclosures. This means that you may

offer two different levels of barcode scanning performance to your customers without a housing change or additional accessory design.

Features

- Parallel or MIPI interface availability helps simplify integration.
- Compact size allows use in tight mobile device designs.
- Higher performance includes increased read range and higher resolution readability.
- White LED enhances image capture and colored barcode readability.
- Choice of high definition LED or laser aiming system to match your application requirements.
- Wider operational temperature range increases potential applications.
- Lower power consumption increases battery life.
- Compatible with other Honeywell scan engine families for reduced integration time and design costs, as well as increased design flexibility and choice.
- Supports optional Honeywell functionalities such as OCR and EasyParse for potential use with driving licences and boarding passes.

Potential Applications

Designed for use in professional-grade, mobile devices such as tablets, wearable scanners, mobile terminals, accessories in retail stores, warehouses, and healthcare facilities, as well as delivery, pick-up/drop-off, and field servicing.

Contactless technology and automation are transforming the way we live and work. Honeywell Logistics Sensing is developing the latest vision solutions to support a wide range of applications for: access control, retail, healthcare, transportation and logistics, warehouse and distribution, and hospitality. **Find out more**

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Part Number	50149838-001
Description	N3601 LASER MIPI FPC
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Part Number	N3601SR-02944859
Description	N3601 2D LED AIMER MIPI 1.8V CUS
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Part Number	N3601SR-CW0-102
Description	N3601 2D LED AIMER PARA COLOR
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N3601 LASER MIPI FPC

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Product name

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