

Frequently Asked Questions

Intermec EX25 Near and Far 2D Imager Engine

What is Auto-focus?

Auto-focus is a focusing technique inspired by the aptitude of the human eye to see items clearly whatever the distance. While standard imagers are based on fixed focus and can only collect clear images at a limited distance (up to 25 inches), the EX25 Near and Far 2D Imager Engine has the ability to adapt its focus in real-time (auto-focus) to get clear and neat images from 6 inches up to 50 feet.

At such long distance, how can I be sure to scan the right barcode?

The EX25 Near and Far 2D Imager Engine is equipped with a laser spotter, in the form of a red dot, which gives a precise indication of which barcode is targeted. Simply align the laser spotter anywhere on the code to capture the read. The result is a more precise, faster and easier to use scanner.

Do I need to use retro-reflective barcodes to get the full range from the EX25?

Retro-reflective barcodes are barcodes printed on a specific material which reflects light more effectively than standard paper. These have been used in WMS applications to enhance limited reading range of traditional laser scanners. The 50 foot range demonstrated by the existing near/far laser-based product assumes the use of retro-reflective labels, which cost ten times that of standard paper-based labels. On standard paper, the range of the near/far laser is limited to 15 feet regardless of the lighting conditions. In many applications, the EX25 Near and Far 2D Imager Engine doesn't require the use of retro-reflective barcodes providing much better range than lasers on paper labels (up to 50 ft.) and a less costly overall solution.

How does the EX25 perform in dark environments?

In addition to the laser spotter, the EX25 Near and Far 2D Imager Engine is equipped with a lighting system that automatically compensates for the lack of light in dark environments. As a result, the EX25 Near and Far 2D Imager Engine reads paper bar code labels perfectly in total darkness at 20 feet and at 50 feet on retro-reflective barcodes.

Can the EX25 take pictures?

Yes, the EX25 Near and Far 2D Imager Engine can take 256 grey level VGA images that can be used in proof of delivery and insurance claim applications.

How can 2D barcodes help increase reading distance?

2D barcodes have the ability to encode information more efficiently than linear barcodes. Indeed, a 300 mil Data Matrix uses the same physical space as a 100 mil Code 39. With 3x lower resolution, the reading distance increases significantly. Using DataMatrix, the EX25 Near and Far 2D Imager Engine provides scan ranges up to 50 ft.

What is Intellibeam?

Intellibeam represents Intermec's family of superior scanning technologies. The EX25 Near and Far 2D Imager Engine is the latest addition to the Intellibeam family following the MEMS laser introduced last year.

Which products will receive the EX25 first and by when?

The first two products to integrate the EX25 Near and Far 2D Imager Engine will be the CK31 Rugged Mobile Computer and the SR61 Bluetooth Scanner. These will be available to customers in Q1 2007.

