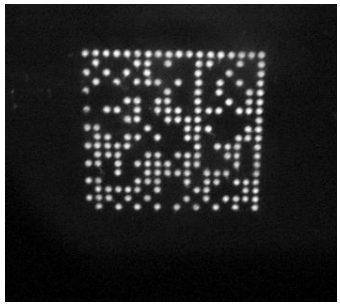
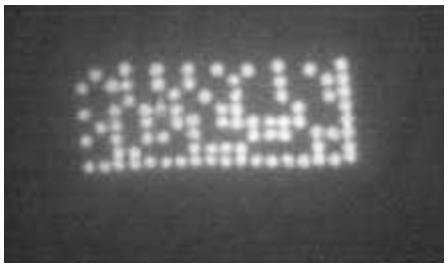
InData Systems DPM Products

About DPM – What is it?

Direct Part Marking (DPM) with bar code symbols has had increasing momentum in recent years as the need for traceability of a part's history has become necessary. Marks made with ink jet printing, laser etching, chemical etching, dot peening, and fluorescing inks are some of the methods used. These marks can be difficult to read, with dot peened marks being especially difficult. Data Matrix is recognized by all international standards, but not all DPM marks are Data Matrix.

Dot Peened Bar Code





Ink Jet Dotted Fluoresced Bar Code

How InData Systems can HELP YOU

After months of development and testing, InData Systems offers a combination of **Honeywell's General Purpose Platform Xenon 1900/1902,** our patented **DPM Custom Optics** or **UV Fluorescing Optics**, and our powerful **icEveryCode™ DPM Plugin**, a multi-platform decoding addition to enhance Xenon 1900/1902 reading capabilities specifically for DPM (including difficult to read Dot Peen), for the best solution on the market today.

What Works Best for Your Application? There are many variations in the nature and size of DPM barcode marks, so InData Systems has come up with a unique solution for all types of barcode reading challenges. Honeywell's Xenon High Density scanner works best with InData Systems' no lens optic for reading distances of approximately 4.5" and 3mm x3mm or greater barcode size. For reading distance of 1.5" and barcode size of 2mm x 2mm, the Standard Range Scanner with the 40mm lens works best. For very tiny and difficult to read barcodes, about 1mm x 1mm and reading distance of approximately 1", the Extended Range scanner with the 30mm lens works best.

In a controlled test, scanning a quantity of especially hard to read DPM barcodes, none of the barcodes were read by the Xenon scanner alone, 50% of them were read using the scanner and Optic, and 100% of them were read using the combination of Scanner, Optic and our **icEveryCode™ DPM Plugin.** With dotted fluorescing ink jet marks, just adding the **icEveryCode™ DPM Plugin** dramatically enhanced the read rates.

How to Determine What You Need

Compare the size of your barcode to the barcodes below. Small barcodes read better with the 30 and 40 mm lens, while the Mid-Size barcodes read more successfully with the non lens model.

- **I6-DPM M30419E0KITUG – Corded Extended Range Scanner with 30mm Lens Optic – reads tiny barcodes**
- **I6-DPM M30419E2KITUG – Cordless Extended Range Scanner with 30mm Lens Optic – reads tiny barcodes**

Tiny DataMatrix (ECC200) Codes – 12x12 modules

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- **I6-DPM M30419E0KITUG – Corded Standard Range Scanner with 40mm Lens Optic – reads small barcodes**
- **I6-DPM M30419E2KITUG – Cordless Standard Range Scanner with 40mm Lens Optic – reads small barcodes**

Small DataMatrix (ECC200) Codes – 24x24 modules

Small DataMatrix (ECC200) Codes – 12x12 modules

- **I6-DPM M30019H0KITUG – Corded Hi-Density Scanner with No Lens M3 Optic – reads mid size barcodes**

Mid Size DataMatrix (ECC200) Codes – 24x24 modules

Mid Size DataMatrix (ECC200) Codes – 12x12 modules

- **UV or other fluoresced code scanners are specified by the same ordering code, replacing "DPM" for "LDS"**

For example, a standard UV corded scanner is I6-LDS UVL019H0KITUG-00, but with enhanced firmware it is now I6-DPM UVL019H0KITUG-00. Most Xenon based scanners, but not all products, are available with this enhanced firmware.

If you would like a professional analysis of your Direct Part Mark barcode, or your small dotted ink jet code samples, and a recommendation on which solution works best for your application, call our main Skaneateles, NY office at 315-685-8311, or send an email to sales@uvreaders.com for a free consultation. We will analyze your samples and assist you in selecting the very best solution for your Direct Part Marked or Dotted code scanning applications.

InData Systems HD Scanner with DPM optic

Cordless LDS 1902 with UV Optic

Contact your Local InData Systems Distributor for more information!

InData Systems™