# (2D Matrix Code)



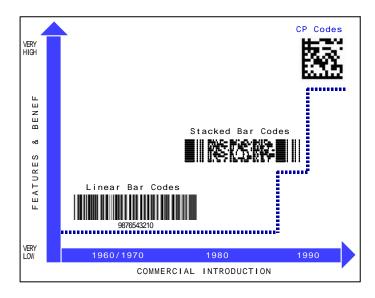


Bringing you to the world of off-line digital communications

ARE BAR-BASED TECHNOLOGIES
REALLY MEETING YOUR APPLICATION
NEEDS...?

LET VIVI TAKE YOUR BAR CODE APPLICATIONS INTO ANOTHER DIMENSION... WITH CP CODE 2D MATRIX SYMBOLOGY!

CP Code is a revolutionary machine-readable code specifically designed to addre ss the limitations of bar codes. The CP Code 2D matrix symbology adds another dimension to each code symbol by encoding bits of data into the squares of a tiny array. This fundamentally different data storage technology no only overcomes the limitations of linear and stacked bar codes, but leaves them a generation



#### APPLICATIONS

PART HISTORY/LOT TRACEABILITY

PERMANENT PART IDENTIFICATION

IN-LINE INSPECTION, VERIFICATION AND "TRIGGERING"

MATERIAL IDENTIFICATION

HIGH DENSITY MEMORY

SMALL COMPONENT MARKING/TRACKING

DOCUMENT MANAGEMENT

DATA FILE ENCRYPTION

CUSTOMER RESPONSE DATA MANAGEMENT

FORGERY/COUNTERFEIT PREVENTION

FIXED ASSET MANAGEMENT

PERSONAL ID/INFORMATION CARDS,

ROBOTIC ASSEMBLY









#### INDUSTRIES

**PHARMACEUTICAL** 

CONSUMER & INDUSTRIAL ELECTRONICS

TELECOMMUNICATIONS

**SECURITY** 

**SEMICONDUCTOR** 

BANKING/INSURANCE

MILITARY/GOVERNMENT

AUTOMOTIVE

ADVERTISING/DIRECT MAIL

CHEMICAL

CONSUMER PACKAGED GOODS

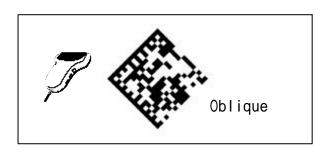
HEALTH CARE







Omni-directional and Reverse Image Reading Capability;
Because CP Code can be read at any angle of rotation, there is no need to orient items in order to read them. CP Code can also be read from the back, such as through a glass





#### Sophisticated Mathematical Error Correction;

CP Code decoding software uses the highly sophisticated Reed-Solomon algorithms to det ect and correct symbol damage, for example a mark, tear, or void. While the standard level of error correction suits most applications, VIVI can tailor the level of error correction up to the maximum theoretical limits





Advanced Image Analysis of Warped, Skewed or Distorted Symbols; CP Code software was designed for excellent readability on curved or irregularly shape d objects, for example, bottles, cans, and surgical instruments. Items which could never

#### Safe to use

Unlike other 2D codes which were launched commercially before or without securing

international intellectual property rights that are indispensable to protect industrial users from patent-related troubles, the marketing of CP code was not commenced until the patents had been granted in all the major markets, namely, European Union, Israel, South Africa, USA, Canada, South Korea, Taiwan, China,

### Easy to evaluate

Just visit our Website (http://www.vi-vi.com/) and download the trial software package.



# CP CODE OFFERS A UNIQUE COMBINATION OF FEATURES AND FUNCTIONALITY NOT POSSIBLE WITH BAR-BASED TECHNOLOGIES...

Whether you are looking to upgrade an existing auto ID application or

implement a new one, consider the advantages of using CP Code matrix

#### Superior Information Density;

CP Code can store information at up to several thousand times the density of linear bar codes, and several hundred times the density of the

stacked bar codes. CP Code's patented symbol design maximises the information content available to the user and minimises the cost of

#### User-Selectable Data Types;

CP Code supports all common character sets, including ASCII (6, 7 or 8-bit), numeric (BCD, unsigned integer), and international language s.

The code can also be configured to support multiple languages

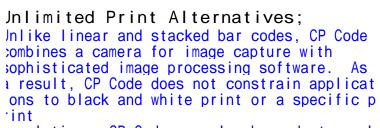
## User-Selectable Array Sizes and Unlimited Symbol Concatenation;

CP Code can be tailored to "best fit" any application. A user can choose to link several standard size symbols or encode an entire message into a single large array. CP Code supports unlimited symbols

concatenation, making "portable data file" applications at a perfect



User-Selectable Encryption Capability; CP Code decoding software is configured to provide any level of data security required by your application. CP Code engineers will help you select the right level of encryption and tailor a design that meets your needs.



esolution. CP Code can also be made to work



To find more about CP Code, contact

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