

<<Java Class>>

DataMatrix

(default package)

□ text: String
□ actualWidth: int
□ actualHeight: int
S F BLACK_CHAR: char
S F WHITE_CHAR: char

● DataMatrix()
● DataMatrix(BarcodeImage)
● DataMatrix(String)
● getActualWidth():int
● getActualHeight():int
● readText(String):boolean
● scan(BarcodeImage):boolean
■ computeSignalWidth():int
■ computeSignalHeight():int
■ cleanImage():void
■ findLeftSide():int
■ findBottomSide():int
● generateImageFromText():boolean
● setBottomSpine():void
● setLeftSpine():void
● setRestData():boolean
● translateImageToText():boolean
■ writeCharToCol(int,int):boolean
● displayTextToConsole():void
● displayImageToConsole():void
● displayRawImage():void

<<Java Class>>

Barcode

(default package)

● Barcode()
● main(String[]):void

<<Java Class>>

BarcodeImage

(default package)

S F MAX_HEIGHT: int
S F MAX_WIDTH: int
□ image_data: boolean[][]

● BarcodeImage()
● BarcodeImage(String[])
● getPixel(int,int):boolean
● setPixel(int,int,boolean):boolean
● checkRange(int,int):boolean
● displayToConsole():String
● clone():Object

<<Java Interface>>

BarcodeIO

(default package)

● scan(BarcodeImage):boolean
● readText(String):boolean
● generateImageFromText():boolean
● translateImageToText():boolean
● displayTextToConsole():void
● displayImageToConsole():void

-image

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