<<Interface>> BarcodeIO

+ boolean scan(Barcodelmage bc): boolean + readText(String text): boolean + generatelmageFromText(): boolean + translatelmageToText(): boolean + displayTextToConsole(): void + displayImageToConsole(): void

DataMatrix

+ BLACK_CHAR : char + WHITE_CHAR : char - image : Barcodelmage - text : String - actualWidth: int - actualHeight : int

+ DataMatrix(): void + DataMatrix(Barcodelmage image) : void + DataMatrix(String text) : void + displayTextToConsole : void + displayImageToConsole : void + readText(String text) : boolean + scan(BarCodeImage image): boolean + generateImageFromText(): boolean + translateImageToText(): boolean + getWidth(): int + getHeight(): int - shiftImageDown(int offset): void - shiftImageLeft(int offset) : void - generateLimitationLine(): void - generateOpenBorderLine() : void - clearImage() : void - cleanImage() : void - writeCharToCol(int col, int code): boolean - computeSignalWidth(): int - computeSignalHeight(): int - moveImageToLowerLeft(int xOffset, int yOffset) : int - readCharFromCol(int col) : char

<u>Barcodelmage</u>

+ MAX_HEIGHT : int + MAX_WIDTH : int - imageData : boolean[][]

+ Barcodelmage() : void
+ Barcodelmage(String[] strData) : void
+ displayToConsole() : void
+ getPixel(int col, int row) : boolean
+ setPixel(int col, int row, boolean value) : boolean
+ clone() : object:
- checkSize(String[] data) : boolean

<<Interface>>
Cloneable