<<interface>> Barcode IO +scan(Barcodelmage bc): boolean +readText(String text): boolean +generateImageFromText(): boolean +translateImageToText(): boolean +displayTextToConsole(): void +displayImageToConsole(): void

DataMatrix

- +BLACK CHAR: char
- +WHITE_CHAR: char
- -Text: String
- -actualWidth: int
- -actualHeight: int
- -image: Barcodelmage
- +DataMatrix()
- +DataMatrix(String text)
- +DataMatrix(Barcodelmage image)
- +scan(Barcodelmage image): boolean
- +readText(String text): boolean
- +generateImageFromText(): boolean
- -writeCharToCol(int col, int code): boolean
- +translateImageToText(): boolean
- -readCharFromCol(int col): char +displayTextToConsole(): void
- +displayImageToConsole(): void
- +getActualWidth(): int +getActualHight(): int
- -computeSignalWidth(): int
- -computeSignalHight(): int
- -cleanImage(): void
- -moveImageToLowerLeft(): void
- -shiftImageDown(int offset): void
- -shiftImageLeft(int offset): void
- -clearlmage(): void

Barcodelmage

- +MAX_HEIGHT: int
- +MAX WIDTH: int
- -imageData: boolean[][]
- +Barcodelmage()
- +Barcodelmage(String[] strData)
- +getPixel(int row, int col): boolean
- +setPixel(int row, int col, boolean value): boolean
- -checkSize(String[] data): boolean
- +displayToConsole(): void
- +clone(): Object