Barco e tool

This file documents ve sion 0.98 of the ba code lib a y and sam le og ams (Ma ch 00).

1 Overvie

The *υ rcode* ackage is mainly a C lib a y fo c eating ba -code out ut files. It also includes a command line f ont-end and (in a fo eseeable futu e) a g a hi c f ontend.

```
int width; h
```

2.2 The n ermedia e Represen a i n

The encoding functions int thei out ut into the `partial` and `t xinfo` fields of the ba code data st uctu e. Those fields, togethe with osition info mation, a e then used to gene ate actual out ut. This is an info mal desc i tion of the inte mediate fo mat.

The fi st cha in `partial` tells how much ext a s ace to add to the left of the ba s. Fo est o e E

Cha te 5: The *barcode* f ontend og am

ī upporte Enco in

The og am encodes text st ings assed eithe on the command line (with -b) o et ieved f om standa d in ut. The text e esentation is inte eted acco ding to the following ules.

hen auto-detection of the encoding is enabled (i.e, no ex licit encoding ty e is s ecified), the encoding ty es a e scanned to find one that can digest the text st ing. The following list of su o ted ty es is so ted in the same o de the lib a y uses when auto-detecting a suitable encoding fo a st ing.

EAN The EAN f ontend is simila to UPC; it acce ts st ings of digits, 1 o 7 cha acte s long. t ings of 1 o 8 cha acte s a e acce ted if the ovided checksum digit is co ect. I ex ect most use s to feed in ut without hecksum, though. The add- and add-

code 125 r

Code-1 8 out ut e esented symbol-by-symbol in the in ut st ing. To ove ide a t of the oblems outlined below in s ecifying code1 8 symbols, this seudo-encoding

MS M