



RD-2023 扫描枪在线手册

发行版本 v1.0.0

2026-06-27

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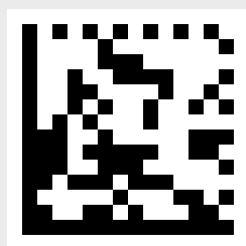
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1 系统设置

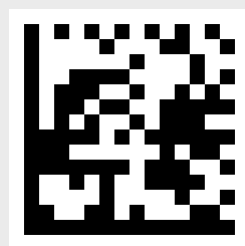
1.1 设备恢复出厂/重启设置

警告

扫描恢复出厂设置会清除当前参数并恢复出厂状态；扫描重启设置会立即重启设备。请确认当前配置已记录后再操作。

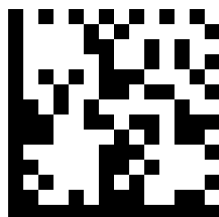


设备恢复出厂设置



设备重启设置

1.2 系统信息查询

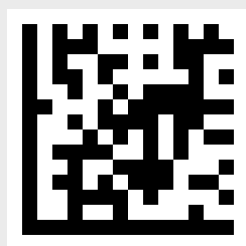


系统信息查询

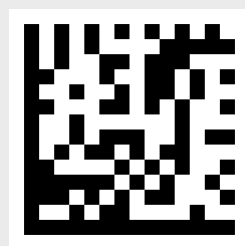
1.3 设置为默认参数

警告

扫描当前参数变更为默认参数会把当前配置写入默认参数；扫描恢复默认参数会恢复已保存的默认参数。请确认默认参数策略后再操作。



当前参数变更为默认参数

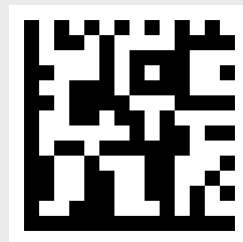


恢复默认参数

1.4 蜂鸣器设置



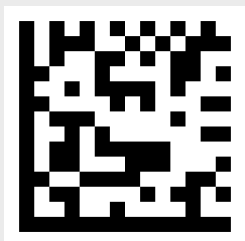
默认：解码成功提示打开



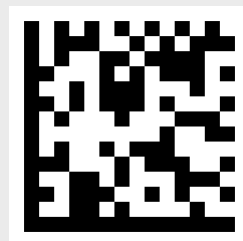
禁用蜂鸣器

2 设备功能设置

2.1 解码指示灯设置

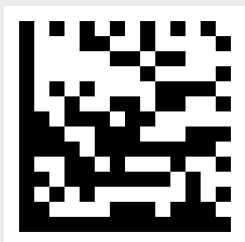


默认：解码成功提示打开

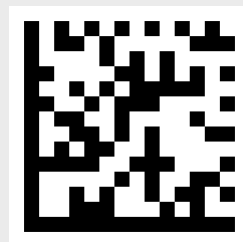


解码失败提示打开

2.2 瞄准灯设置



默认：瞄准灯打开

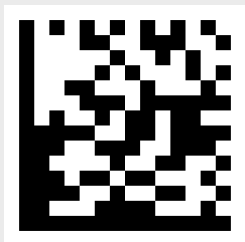


瞄准灯禁用

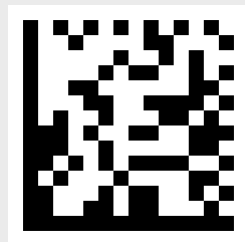


瞄准灯常亮

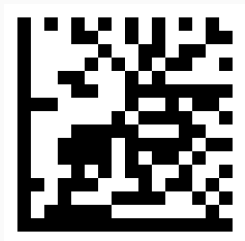
2.3 光源设置



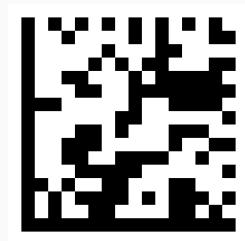
模组光源禁用



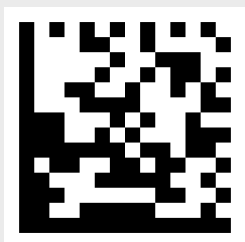
默认：模组光源打开



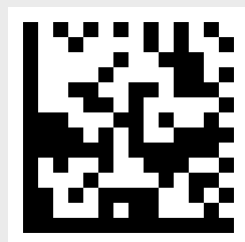
外接光源 1 禁用



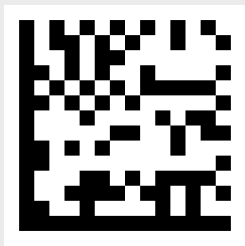
外接光源 1 打开



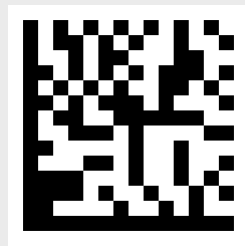
外接光源 2 禁用



外接光源 2 打开



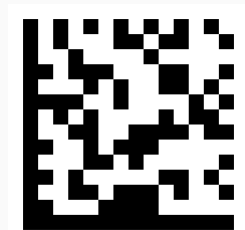
光源切换时间 1500ms



光源切换时间 2000ms



默认：光源切换时间 1000ms

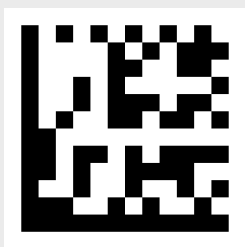


光源切换时间 500ms

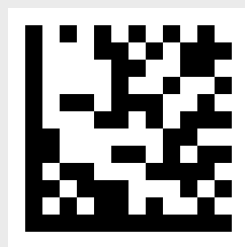
备注

只有高性能版本才能支持外接光源控制

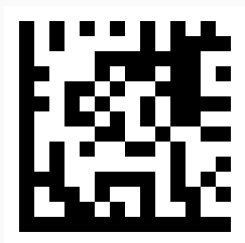
3 触发设置



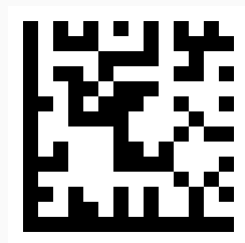
串口触发模式



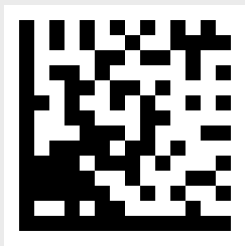
IO 触发模式



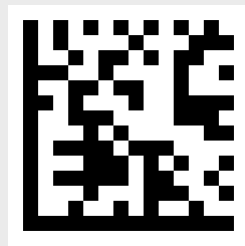
连续识读模式



默认：按键触发模式



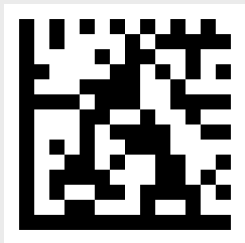
批量读取模式



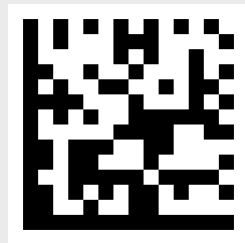
自动感应模式

3.1 连续触发模式

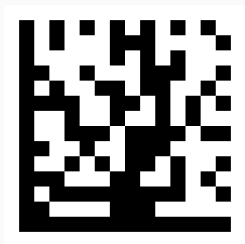
识读间隔时间



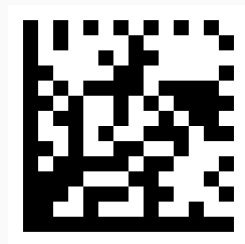
默认: 0ms



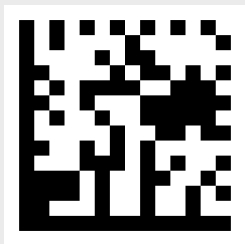
500ms



200ms



2000ms



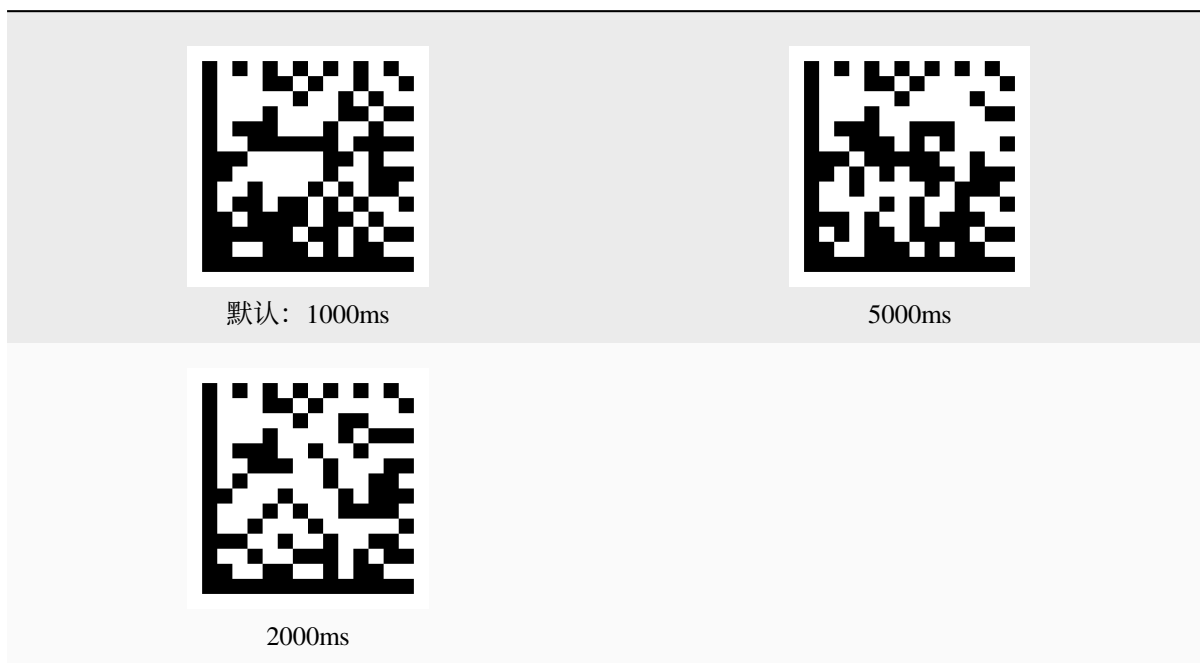
1000ms

3.2 感应触发模式

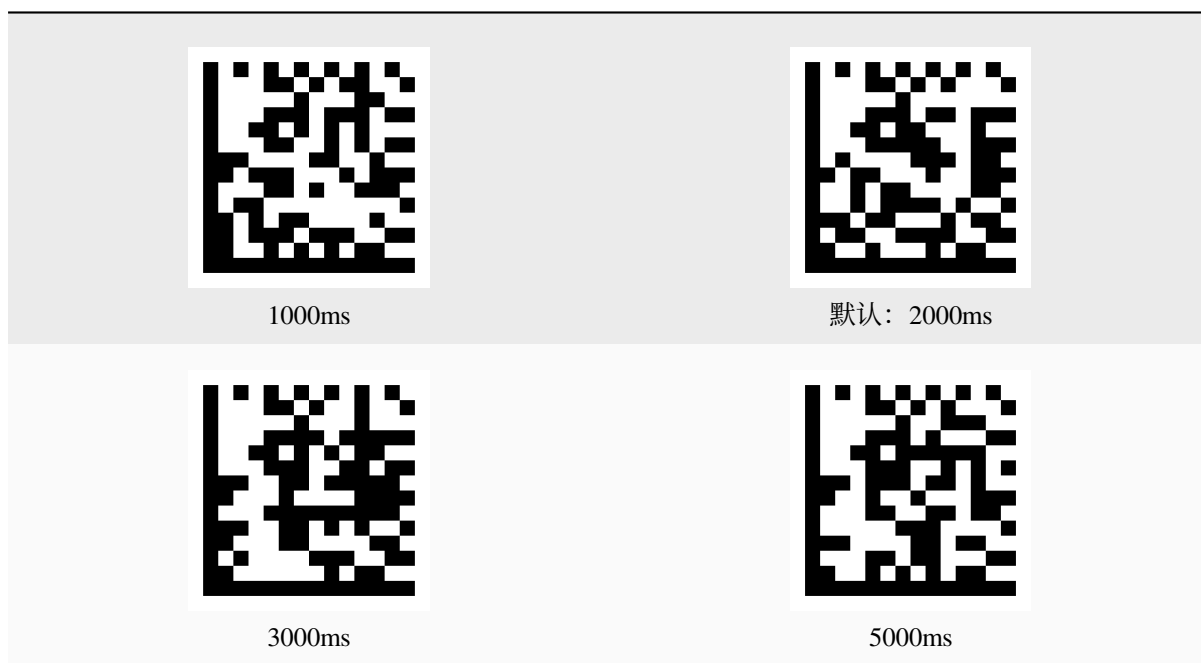
触发灵敏度



感应间隔时间



感应超时时间



3.3 批量读取模式

统一输出



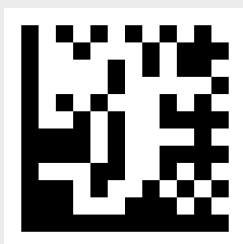
3.4 串口触发模式

备注

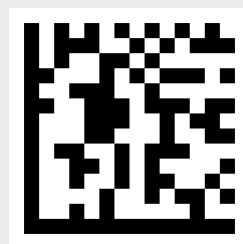
串口触发开始指令默认为 `start`，结束触发指令默认为 `stop`。设置开始触发指令使用 `@SETSSX`，设置结束触发指令使用 `@SETESX`，其中 `X` 为自定义内容。例如开始指令设为 `A`、结束指令设为 `B` 时，分别生成 `@SETSSA` 和 `@SETESB` 的设置码。

4 通讯接口设置

4.1 通讯接口切换



串口通信模式

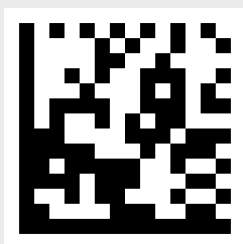


默认：USB HID 通信模式

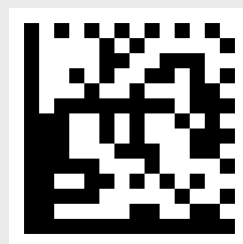


USB CDC 通信模式

4.2 USB 通讯版本

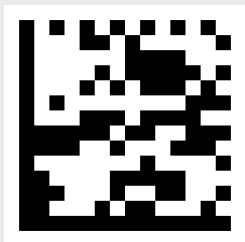


默认：USB 1.1

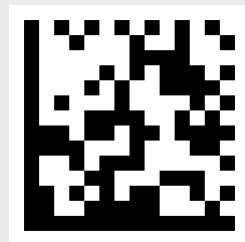


USB 2.0

4.3 串口设备发现



默认：串口设备不用于发现

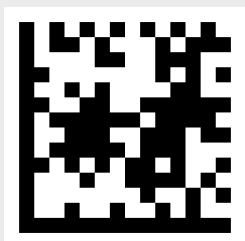


串口设备用于发现

备注

该功能可用于设备通过串口连接上位机调试，但无法传图

4.4 USB-光标输出设置



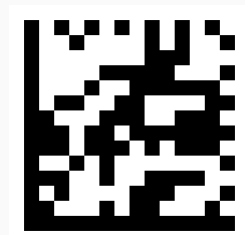
默认：忽略 Caps Lock（禁用）



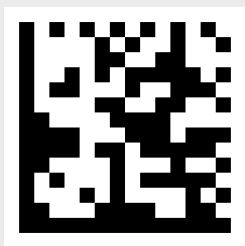
忽略 Caps Lock (打开)



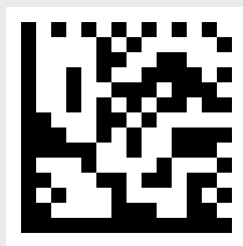
默认：字符反转（禁用）



字符反转 (打开)



大小写转换 (小写)



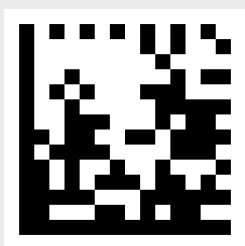
大小写转换 (大写)



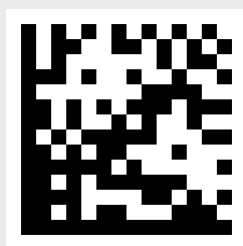
默认：大小写转换 (禁用)



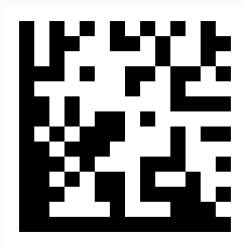
大小写转换 (打开)



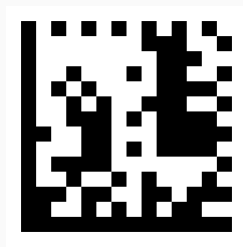
字符间隔 100



字符间隔 50



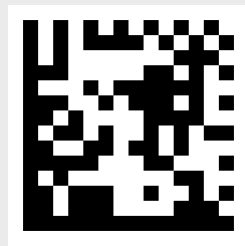
默认：字符间隔 10



字符间隔 0



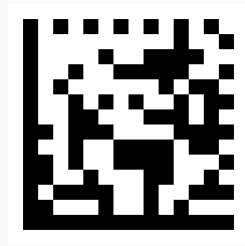
条码间隔 100



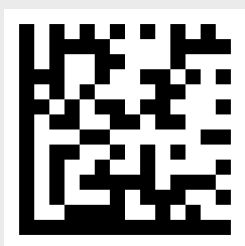
条码间隔 50



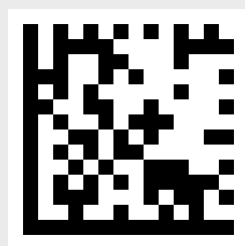
条码间隔 10



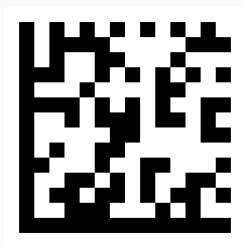
默认：条码间隔 0



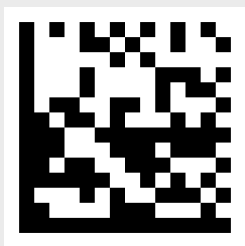
每次发送字符数 20



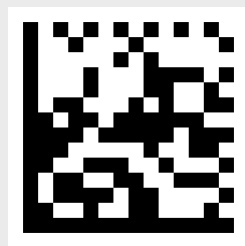
每次发送字符数 10



默认：每次发送字符数 1



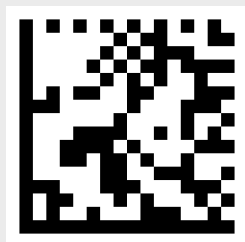
默认：忽略中文输入法（禁用）



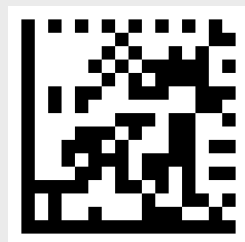
忽略中文输入法（启用）

4.5 串口设置

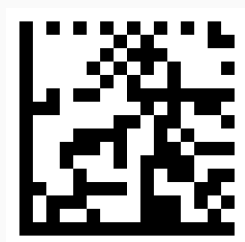
波特率设置



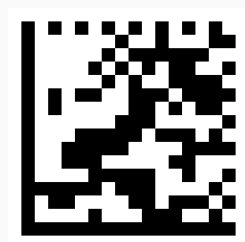
19200



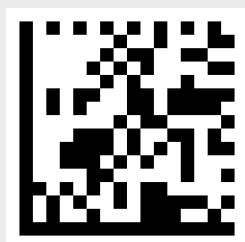
38400



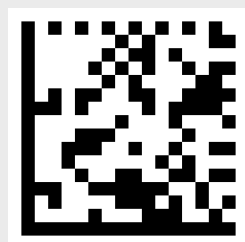
4800



默认: 9600

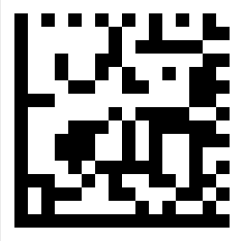


115200



57600

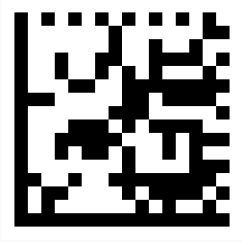
奇偶校验设置



偶

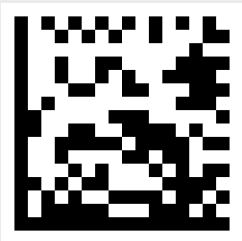


奇

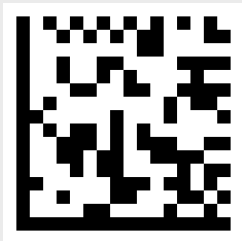


默认：无

停止位



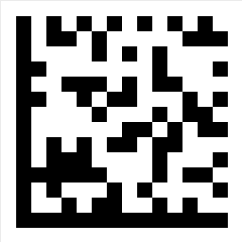
2



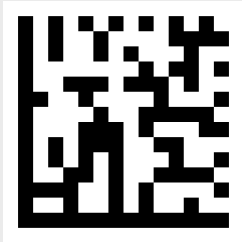
默认：1

5 图像参数设置

5.1 自动图像调节设置

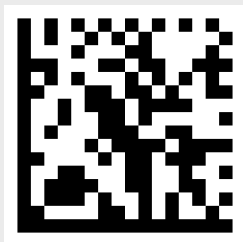


禁用图像自动调节

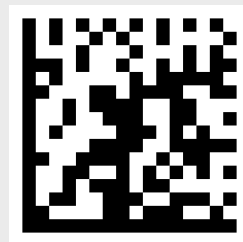


默认：启用自动图像调节

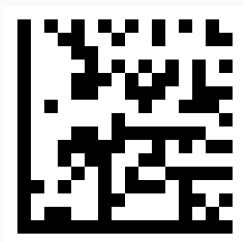
5.2 曝光时间设置



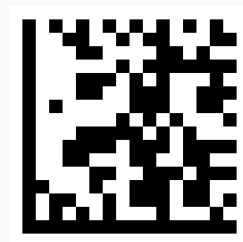
曝光时间 1000



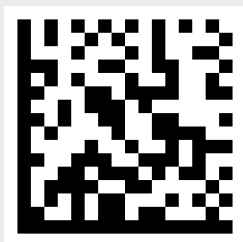
曝光时间 3000



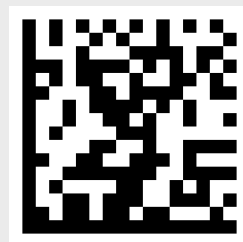
曝光时间 500



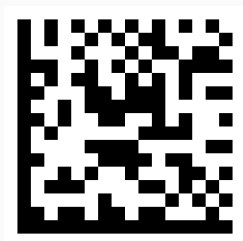
曝光时间 100



曝光时间 10000



曝光时间 6000

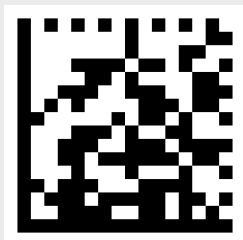


曝光时间 20000

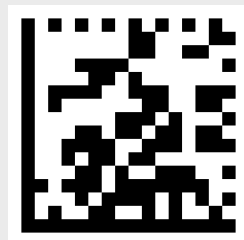
 备注

单位 us

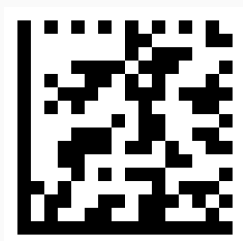
5.3 增益设置



增益 144



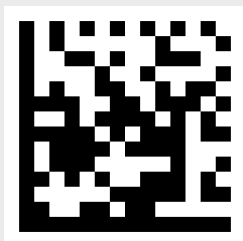
增益 32



增益 96



增益 1



增益 255



增益 192

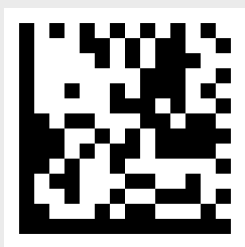
备注

曝光时间与增益设置仅在关闭自动图像调节后生效

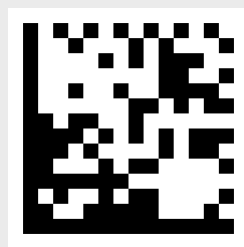
6 格式配置

6.1 重复时间过滤设置

启用/禁用重复时间过滤

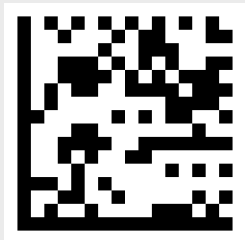


默认：禁用

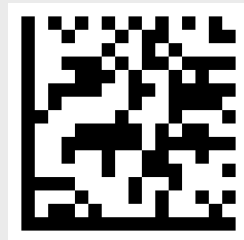


打开

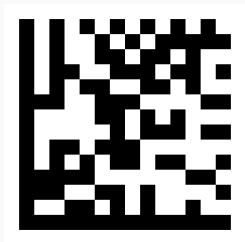
过滤时间设置



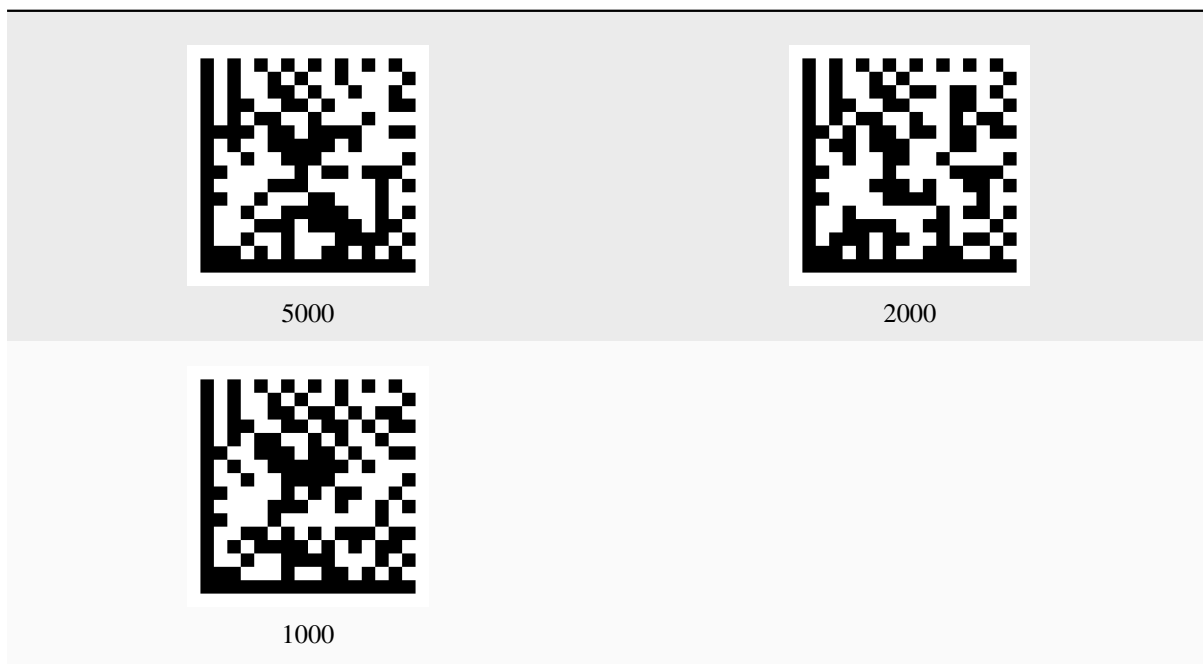
600



300

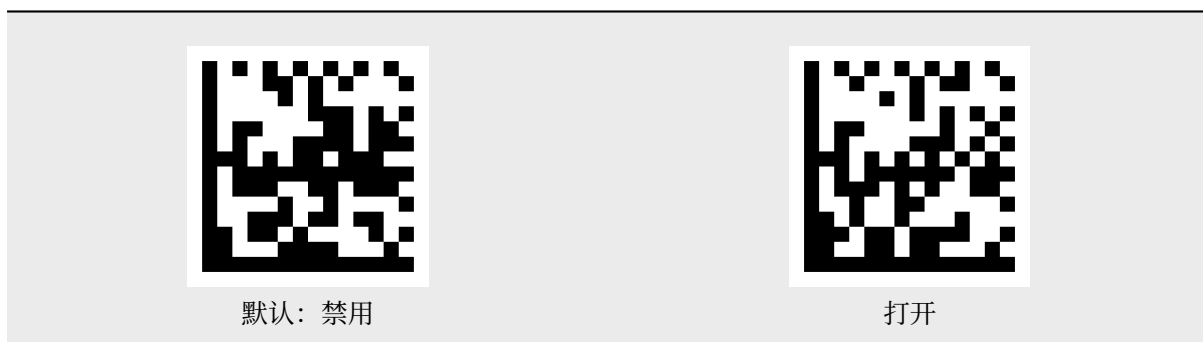


默认：30

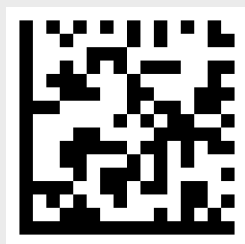


6.2 重复数量过滤设置

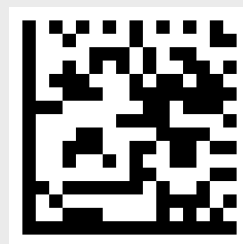
启用/禁用重复数量过滤



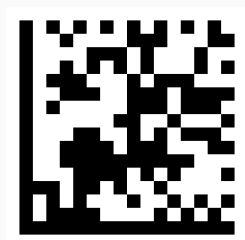
过滤个数设置



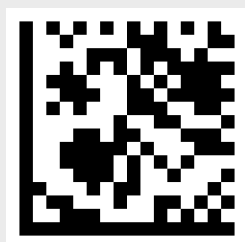
3



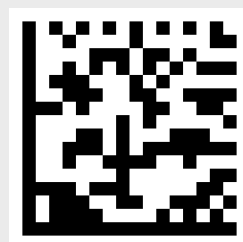
默认: 1



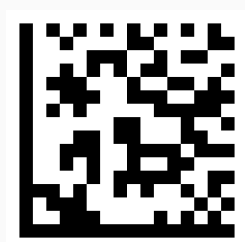
2



6

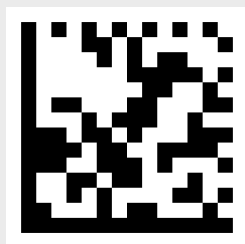


5

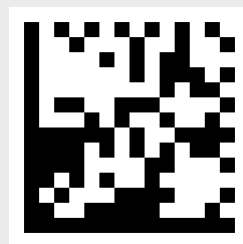


4

6.3 重复条码过滤设置

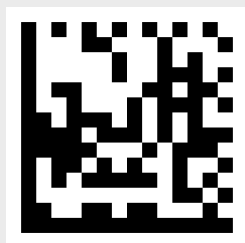


默认：禁用

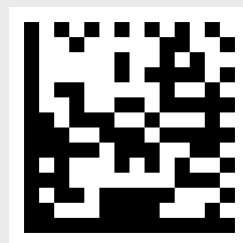


打开

6.4 重复条码合并

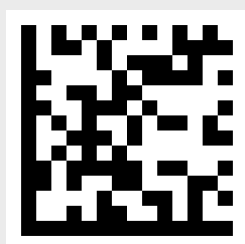


默认：禁用

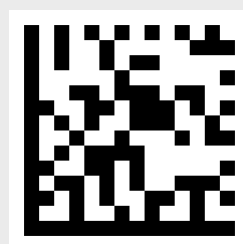


打开

6.5 条码长度限制指令

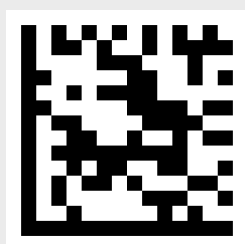


默认：禁用

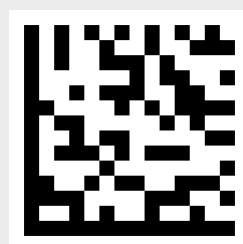


打开

6.6 屏蔽开头设置

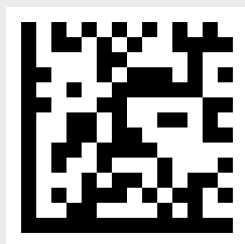


默认：禁用

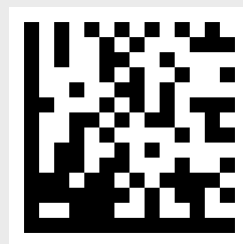


打开

6.7 指定开头设置

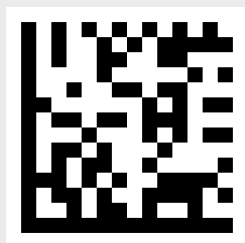


默认：禁用

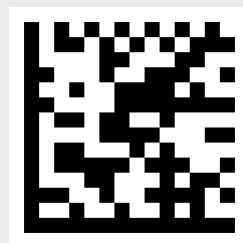


打开

6.8 指定结尾设置

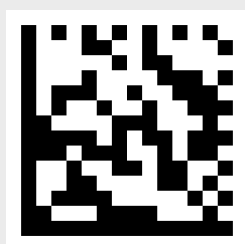


打开

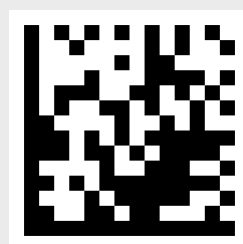


默认：禁用

6.9 必须包含设置

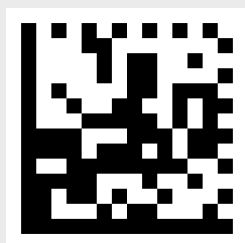


默认：禁用必须包含

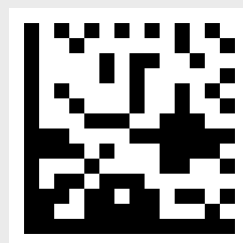


启用必须包含

6.10 不能包含设置



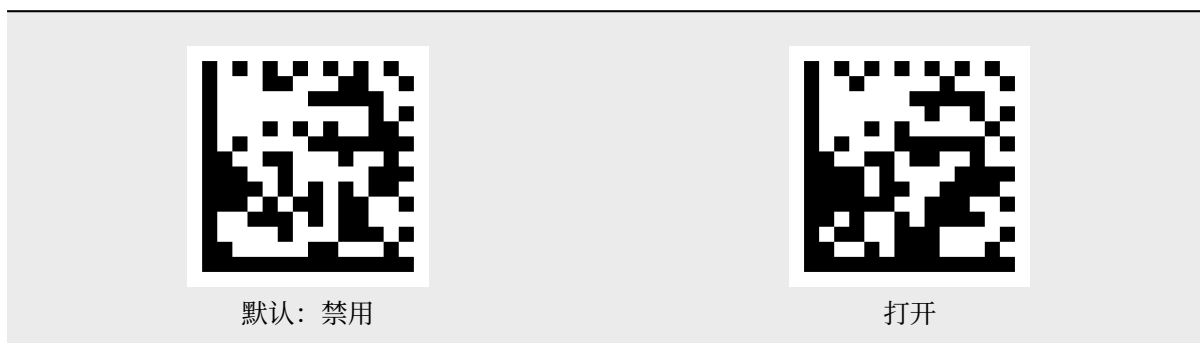
默认：禁用



打开

6.11 字符要求设置

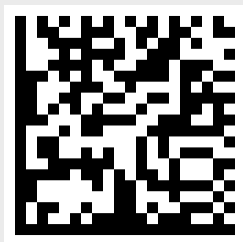
启用/禁用字符要求



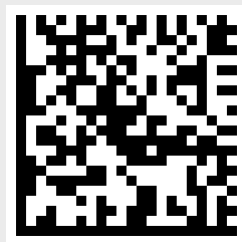
字符要求设置



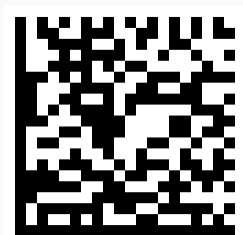
6.12 条码结尾分隔符



/



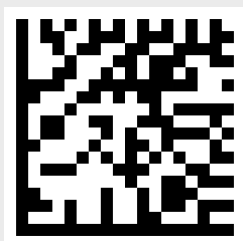
CRLF



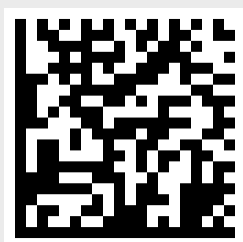
CR



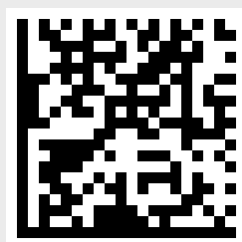
LF



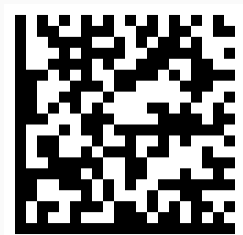
空



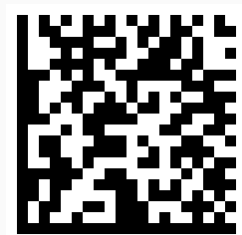
\



Tab



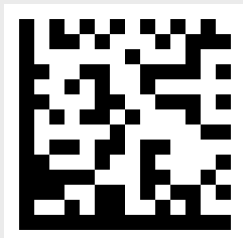
-



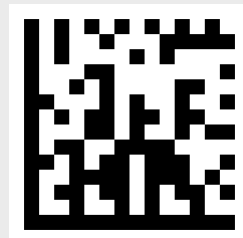
-

7 码制设置

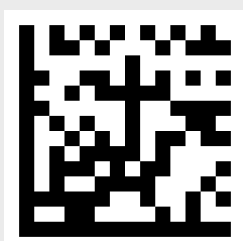
7.1 启用/禁用所有码制



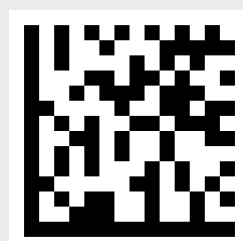
禁用所有一维码



启用所有一维码

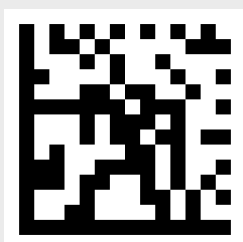


禁用所有二维码

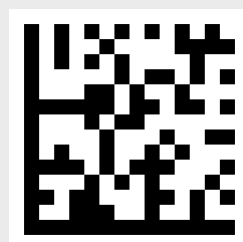


启用所有二维码

7.2 启用/禁用 Code 128

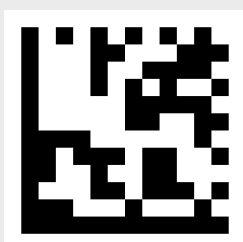


禁用 Code 128

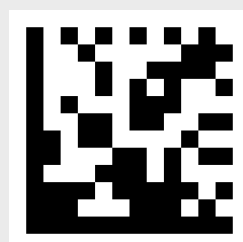


默认：启用 Code 128

7.3 启用/禁用 Code 39

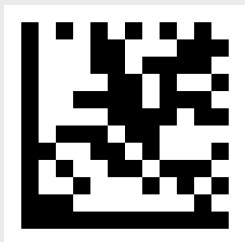


禁用 Code 39

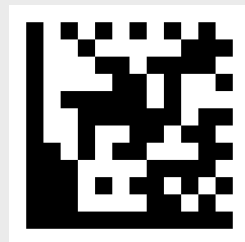


默认：启用 Code 39

7.4 启用/禁用 Code 93

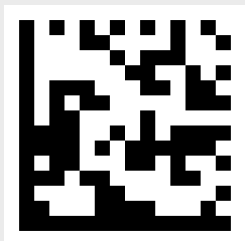


默认：禁用 Code 93

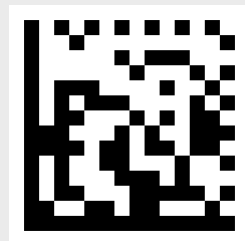


打开 Code 93

7.5 启用/禁用 EAN-8

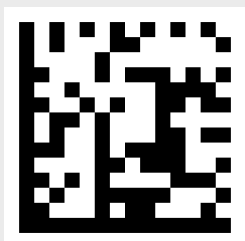


禁用 EAN-8

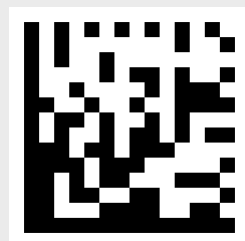


默认：启用 EAN-8

7.6 启用/禁用 EAN-13

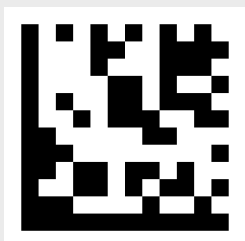


禁用 EAN-13

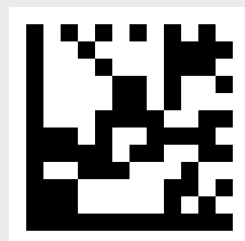


默认：启用 EAN-13

7.7 启用/禁用 ITF25

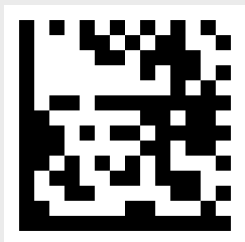


默认：禁用 ITF25

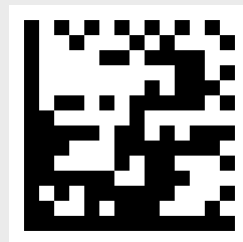


启用 ITF25

7.8 启用/禁用 UPC-A

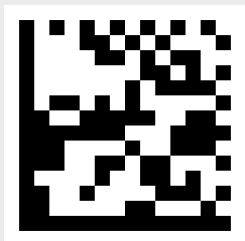


禁用 UPC-A

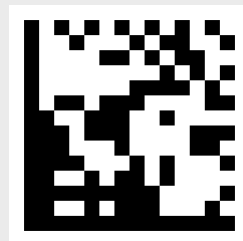


默认：启用 UPC-A

7.9 启用/禁用 UPC-E

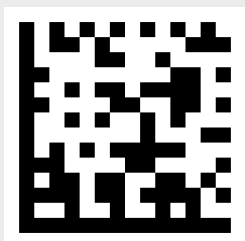


禁用 UPC-E

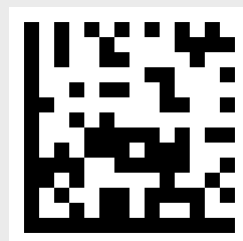


默认：启用 UPC-E

7.10 启用/禁用 Codabar

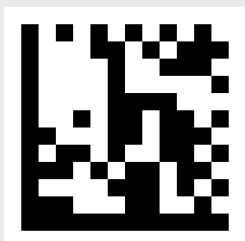


默认：禁用 Codabar

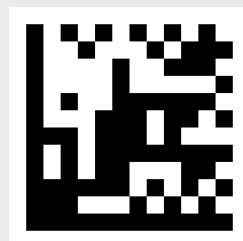


启用 Codabar

7.11 启用/禁用 QR Code

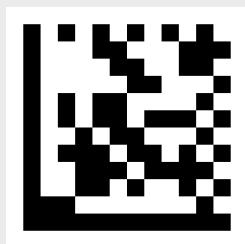


禁用 QR Code

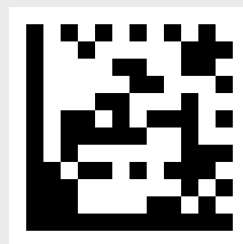


默认：启用 QR Code

7.12 启用/禁用 Data Matrix

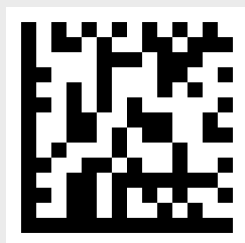


禁用 Data Matrix

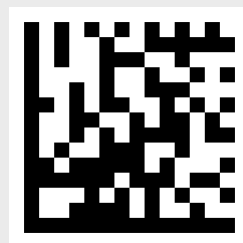


默认：启用 Data Matrix

7.13 启用/禁用 Micro QR

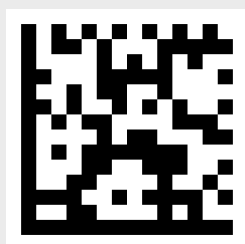


默认：禁用 Micro QR

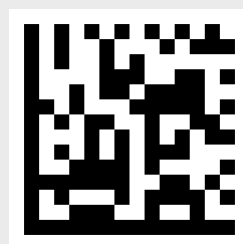


启用 Micro QR

7.14 启用/禁用 Aztec Code

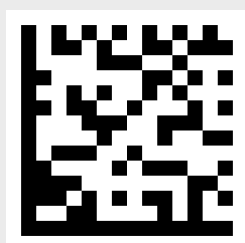


默认：禁用 Aztec Code

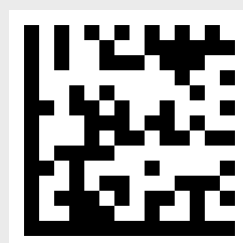


启用 Aztec Code

7.15 启用/禁用 MaxiCode

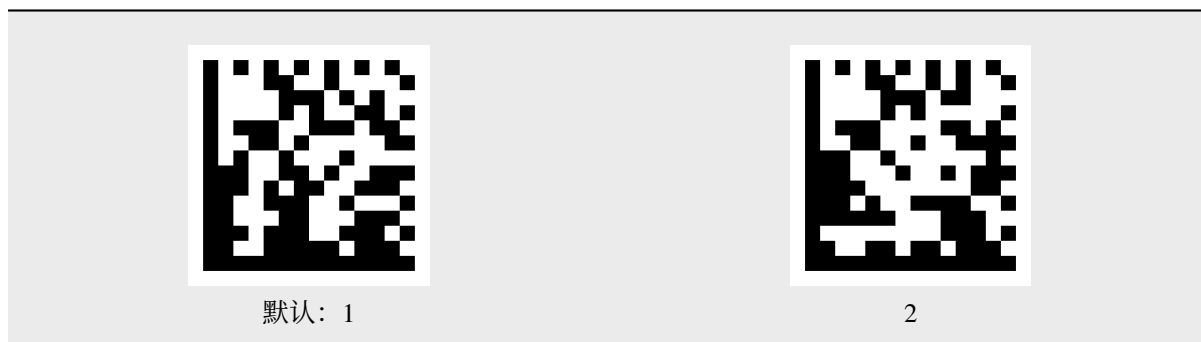


默认：禁用 MaxiCode



打开 MaxiCode

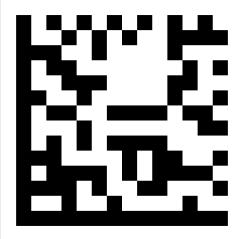
7.16 条码数量



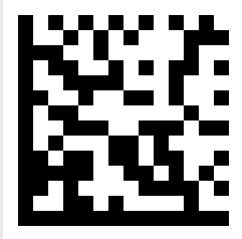
7.17 一维码算法运行模式



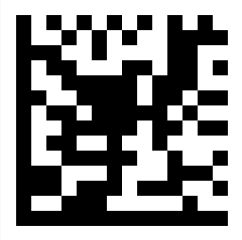
7.18 二维码算法运行模式



默认：专家模式



普通模式



极速模式

备注
场景比较简单，对耗时有要求时，可选择极速模式。

8 附录

8.1 ASCII 码表

十六进制	十进制	字符
00	0	NUL
01	1	SOH
02	2	STX
03	3	ETX
04	4	EOT
05	5	ENQ
06	6	ACK
07	7	BEL
08	8	BS
09	9	HT
0a	10	LF/NL
0b	11	VT
0c	12	FF/NP
0d	13	CR
0e	14	SO
0f	15	SI

续下页

表 1 - 接上页

十六进制	十进制	字符
10	16	DLE
11	17	DC1/XON
12	18	DC2
13	19	DC3/XOFF
14	20	DC4
15	21	NAK
16	22	SYN
17	23	ETB
18	24	CAN
19	25	EM
1a	26	SUB
1b	27	ESC
1c	28	FS
1d	29	GS
1e	30	RS
1f	31	US
20	32	(Space)
21	33	!
22	34	”
23	35	#
24	36	\$
25	37	%
26	38	&
27	39	,
28	40	(
29	41	)
2a	42	*
2b	43	+
2c	44	,
2d	45	-
2e	46	.
2f	47	/
30	48	0
31	49	1
32	50	2
33	51	3
34	52	4
35	53	5
36	54	6
37	55	7
38	56	8
39	57	9
3a	58	:
3b	59	;
3c	60	<
3d	61	=
3e	62	>
3f	63	?

续下页

表 1 - 接上页

十六进制	十进制	字符
40	64	@
41	65	A
42	66	B
43	67	C
44	68	D
45	69	E
46	70	F
47	71	G
48	72	H
49	73	I
4a	74	J
4b	75	K
4c	76	L
4d	77	M
4e	78	N
4f	79	O
50	80	P
51	81	Q
52	82	R
53	83	S
54	84	T
55	85	U
56	86	V
57	87	W
58	88	X
59	89	Y
5a	90	Z
5b	91	[
5c	92	\
5d	93	]
5e	94	^
5f	95	_
60	96	`
61	97	a
62	98	b
63	99	c
64	100	d
65	101	e
66	102	f
67	103	g
68	104	h
69	105	i
6a	106	j
6b	107	k
6c	108	l
6d	109	m
6e	110	n
6f	111	o

续下页

表 1 – 接上页

十六进制	十进制	字符
70	112	p
71	113	q
72	114	r
73	115	s
74	116	t
75	117	u
76	118	v
77	119	w
78	120	x
79	121	y
7a	122	z
7b	123	{
7c	124	
7d	125	}
7e	126	~
7f	127	DEL