NEC
BCR5342H
Fixed Mount Bar Code Reader

Features

- **High speed**
At 500 scans per second, the BCR5342H is ideal for demanding applications.

- **Small size**
The very compact size and built in RS-232 decoder allows the BCR5342H to fit into tight quarters.

- **Triggering options**
The bar code reader can be operated in either external or autotrigger modes. External triggering can be done using the trigger line control, or through host commands.

- **Large depth of field**
The bar code reader has a depth of field of up to 2 inches (5cm), allowing considerable flexibility in reader/label positioning.

- **Video/CCD imager**
The scanning system is functionally identical to a solid state, one line, TV camera. There are no moving parts to wear out, break, or need adjustment.

- **Low power consumption**
The bar code reader operates at 5VDC and consumes only 140mA of current.

- **Reads all standard symbologies**
Reads and autodiscriminates Code 39, Code 93, Code 128, Codabar, 2 of 5, I 2 of 5, and UPC/EAN.
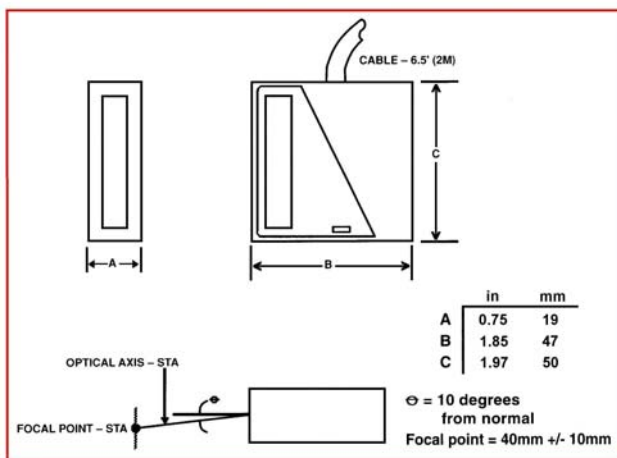
- **Reads poorly printed symbols**
The advanced circuitry and optical design of the BCR5342H allows the scanner to reliably read poor contrast and soiled symbols.

BCR5342H Specifications

Series	BCR5342
Model	BCR5342H-STA
Output	RS-232 interface built into the bar code reader
Readable bar codes	Code 39, Code 93, Code 128, Codabar, 2 of 5, I 2 of 5, and UPC/EAN
Maximum bar code width	3.1 inch (80mm) wide symbol at principal focal point
Minimum resolution	5 mils at 35mm distance
Minimum PCS value	0.3 (white reflection: 85% or more)
Depth of field	2.0 inch (50mm) TYP. (UPC/EAN standard label x 1, PCS: 0.9)
Move tolerance	26 inch (67 cm)/sec. (ladder orientation)
Scan rate	500 scans/sec.
Detecting element	VIDEO/CCD, 2048 one-line imager
Light source	Red LED (wavelength: 660nm)
Reading indicator	Beeper and LED
Reading start method	Auto or manual triggering
Set Up	Symbology and RS-232 variables are set by bar code menu or host computer
Voltage requirements	5 VDC +/- 5%
Power consumption	140mA TYP.
Weight (without cable)	1.2 oz. (34g)
Standard cable	6.6 ft. (2m) straight
Maximum external illumination	6,000 lux
Operating temperature	32 to 104°F (0 to 40°C)
Operating humidity	20% to 85% RH (non-condensing)
Noise standard	FCC Class A

External View

SOME OF THE KEY FUNCTIONS SELECTED VIA THE BAR CODE MENU, OR VIA HOST COMMANDS:

- RS-232 communication parameters
- Code reading variables, including symbol length and various symbology variables
- Beeper and triggering control
- Redundant reading for higher data security
- Data string identifiers and terminators

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*Specifications are subject to change without notice

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