

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, 1 of 5, and UPC/EAN.

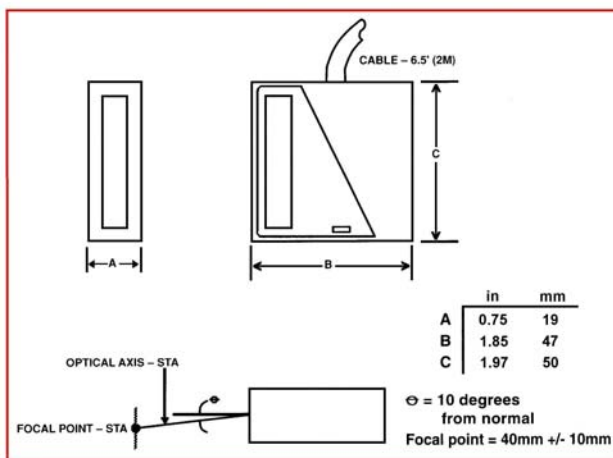
- **Reads poorly printed symbols**

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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