

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



# Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







# BCR5242 Video/ CCD Scanner

# MACHINEMOUNT SCANNER





#### **FEATURES**

#### · 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 adjust.

#### Triggering Options

The scanner can be operated with an external trigger or in the autotrigger mode, providing operational flexibility.

#### Viewing Options

Both end and side scanning models are available. The side scanning option is well suited for extreme space limitations.

#### · Large Depth of Field

The scanner has a depth of field of up to 2 inches (5cm.), allowing considerable flexibility in scanner/label positioning.

#### Small size

The compact design and convenient mounting make the BCR5242 easy to install in tight quarters.

#### Low power consumption

The scanner operates at 5VDC and only consumes 130mA 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

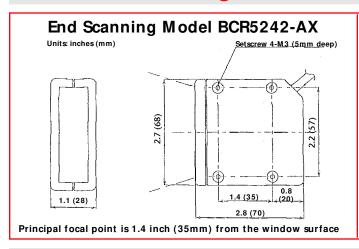
#### Reads poorly printed symbols

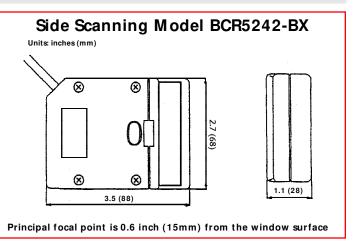
The advanced circuitry and optical design of the BCR5242 allows the scanner to reliably read poor contrast and soiled symbols.

### **BCR5242 Specifications**

Series	BCR 5242			
Interface	RS-232-interface is built into scanner			
Readable bar codes	CODE39, CODABAR, 2 of 5, I 2 of 5, CODE128 and CODE93, UPC/EAN			
Bar code width	3.1 inch (79mm) wide symbol at principal focal point.			
Min. resolution	6 mils. (1.5 mm)			
Depth of field	2.0 in. (50 mm) TYP. (UPC/EAN standard label x 1, PCS: 0.9)			
Scan Rate	120 scans/sec.			
Light source	Red LED (wavelength: 660nm)			
Detecting element	VIDEO/CCD imager-one line/2048 pixels			
Min. PCS value	0.3 (white reflection: 85% or more)			
Reading start method	Auto or manual triggering			
Reading indicator	Beeper and LED			
Set up	Symbology and PS-232 variables are set by bar code menu or host computer			
Power requirements	130mA at 5 VDC +/- 5%			
Weight (without cable)	4.2 oz. (120 g)			
Cable length	6.6 ft. (2 m)			
Max. external illumination	8000 lux			
Operating temperature	32° F to 104°F (0°C to 40°C)			
Operating humidity	20% to 85% RH (non-condensing)			
EMI/RFI standard	FCC Class A			

# **Mechanical Design**





### **BCR5242 Ordering Number Chart**

Model Configuration	PC COM port	PC COM port	Omron PLC	Omron PLC
	End Scan	Side Scan	End Scan	Side Scan
Omron Part Number	BCR5242-AR	BCR5242-BR	BCR5242-AP	BCR5242-BP

# **ENSEIUSA**

2030 Silver Lake Road, Suite 120 New Brighton, MN 55112 Tel: 651-636-3030 Fax: 651-636-2950 Toll Free: 888-410-3030

e-mail: support@densei.com

Website: http://www.densei.com

# Omron Electronics, Inc.

One Commerce Drive Schaumburg, Illinois 60173-5302 Tel: 847-834-7900

Fax: 847-843-8261 Toll Free: 800-55-OMRON

website, global: http://www.omron.com website, USA: http://www.omron.com/oei