



## 1D Barcode Scanner



# The Eagle Eye 6800

## 1D Barcode Scanner

### Features

- **Longevity:** Backed by a 5-year warranty, and tested to a 6ft. drop resistance and IP65 sealing, the Eagle Eye 6800 performs exceptionally well in the harshest of environments.
- **Higher Read Rates:** Improve scan accuracy and employee productivity with a wide scan angle, a bright aimer and the ability to scan 3 mil bar codes.
- **Scan Performance:** Powerful linear imager reads all 1D bar codes up to 700 scans/sec enabling your enterprise to work faster and more efficiently.
- **Ease of Use & Compatibility:** Plug and play with many hardware and operating systems when using it as a keyboard wedge or USB Virtual COM.
- **Cold Environments:** Perfect for those cold controlled environments or outdoor applications where temperatures can plummet to -4°F.
- **Easy Integration:** Create a custom data stream using the Data Magic software; affording full control over the scanner's processing ability to read all scanned data, but output only what data is needed.
- **Versatile Reading:** Read bar codes in direct sunlight or printed barcodes down to a 15% contrast level.

### Application

- Retail
- Pharmacy
- Healthcare
- Warehousing
- Inventory
- Logistics
- Manufacturing



## GENERAL SPECIFICATIONS / AI-6800

### PERFORMANCE CHARACTERISTICS

**Scan Pattern**

Linear Imager

**Light Source**

Red LED, Illumination 625nm LED

**Interface Supported**

USB(HID/Virtual Com), RS-232

**Scan Angle**

39°

**Print Contrast**

15%

**Scan Rate**

Up to 700 scans/sec

**Indicator**

LED, Beeper and Vibrator

### SYMBOLOGIES

**Linear**

Code11, Code39, Code93, Code32(Pharmaceutical), Code128, Code bar, Interleaved 2 of 5, Industrial 2 of 5, IATA 2 of 5, Matrix 2 of 5, EAN/JAN-13, EAN/JAN-8, UPC-A, UPC-E, UPC-A/EAN-13 with Extended Coupon code, Tele pen, Plessey Code, GS1 Databar RSS14, GS1 Databar Limited, GS1 Databar, Omni directional, GS1 Databar Expanded, China Post

**Stacked Linear**

GS1 Databar Expanded Stacked, GS1 Databar RSS14 Stacked, C16K, CodaBlockF

### READING RANGES

**Typical Depth of Field**

3.0 mils: 2.16 - 3.34" / 55 - 85 mm  
4.0 mils: 2.16 - 4.52" / 55 - 115 mm  
5.0 mils: 1.96 - 5.31" / 50 - 135 mm  
10.0 mils: 1.37 - 12.20" / 35 - 310 mm  
13.0 mils: 1.57 - 16.14" / 40 - 410 mm  
13.0 mils (EAN13): 1.57 - 13.97" / 40 - 355 mm  
20.0 mils: 1.77 - 22.24" / 45 - 565 mm

Note: Specifications subject to change without notice

### PHYSICAL CHARACTERISTICS

**Dimensions**

3.70" (94 mm) x 2.99" (76 mm) x 6.22" (158 mm)

**Weight**

0.30 lbs. (0.14 kg)

### ENVIRONMENT CHARACTERISTICS

**Operating Temperature**

-4°F to 140°F (-20°C to 60°C)

**Storage Temperature**

-22°F to 158°F (-30°C to 70°C)

**Humidity**

5% to 95% relative humidity, non-condensing

**Drop and Tumble Specifications**

Withstands multiple 6 ft/1.8 m drops  
1,500 1.6 ft./0.5m tumbles (IEC 60068-2-31)

**Contaminants**

Seals to resist airborne particulate contaminants (IP65)

**Light Level**

0 - 100,000 lux

### REGULATORY APPROVALS

CE, FCC, BSMI

### ELECTRICAL CHARACTERISTICS

**Input Voltage**

5VDC ±5%

**Operating Power**

215mA at 5VDC Max(USB)

**Standby Power**

52mA at 5VDC Typical(USB)

### WARRANTY

5 year warranty

**SATO AMERICA  
CORPORATE**

10350-A Nations Ford Rd  
Charlotte, NC 28273  
Phone: (704) 644-1650  
Fax: (704) 644-1662  
sales-sallc@sato-global.com

**LABEL MANUFACTURING, SERVICE & SALES**

UNITED STATES MEXICO CENTRAL AMERICA  
CANADA CARIBBEAN