



## Wireless 2D Scanner



# The Eagle Eye 6821

## An Accurate and Efficient 2D Barcode Scanner

### Features

- **Rugged:** A 6 ft. drop tolerance allows the Eagle Eye 6821 to be used in tough environments with consistent performance and quality. The IP65 sealing resists water and dust for dependable performance in damp and dirty environments.
- **Precise & Efficient:** Reduces data input lag with three times the data transmission speed when compared to other wireless scanners.
- **Ease of Use:** Omnidirectional scanning lets users perform work more efficiently and DataMagic optimizes data input by capturing the right data and outputting only the data that is needed.
- **Excellent Performance:** The area imager reads 1D and 2D barcodes down to 4 mils and provides 55 hours of scan performance on a single battery charge, even in direct sunlight.
- **Simpler Scanning:** Patented Cross-line laser indicators help users target bar codes quickly while reducing user fatigue and improving efficiency.
- **Tablet & Phone Support:** Connect to iOS, Android™, Windows® and other Bluetooth™ enabled devices with ease.
- **Extended Range Bluetooth:** Increase productivity by using the scanner up to 300 ft. away from the base and where work is performed.

### Industries

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

### Cradle Features

- Flexible cable routing options make it easy to deploy and install in the workplace.
- A bright **U-Shape LED** provides a 360° viewing angle of its status.
- Multi-function cradle provides extended communication range, scanner charging and software maintenance.





## GENERAL SPECIFICATIONS / AI-6821

### PERFORMANCE CHARACTERISTICS

#### Scan Pattern

Area Imager (752 x 480 pixel array)

#### Light Source

Aiming Pattern: 655 +/- 10 nm laser diode

#### Field of View

39.6° horizontal, 25.7° vertical

#### Roll / Pitch / Skew

360° / ±60° / ±60°

### PHYSICAL CHARACTERISTICS

#### Dimensions

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

Cradle: 5.11" (130 mm) x 3.46" (88 mm) x 3.74" (95 mm)

#### Weight

Scanner: 0.44 lbs / 0.2 kg (battery included) / Cradle: 0.28 lbs / 0.13 kg

#### Indicator

LED, beeper, vibrator

#### Resolution

1D (4 mil): Code 39 / 2D (6.7 mil): PDF417

#### Print Contrast

25% minimum reflectance

### SYMBOLGY DECODE CAPABILITY

#### 1D Symbolgies

Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes, Chinese 2 of 5, Base 32 (Italian Pharmacode)

#### 2D Symbolgies

TLC-39, Aztec (Standard, Inverse), MaxiCode, DataMatrix/ECC 200 (Standard, Inverse), QR Code (Standard, Inverse and Micro)

#### PDF417 (and Variants)

PDF417, microPDF417, Composite Codes (CC-A, CC-B, CC-C)

### READING RANGES

#### Typical Depth of Field

Minimum distance determined by symbol length and scan angle. Printing resolution, contrast and ambient light dependent.

5.0 mils (Code 39): 1.65 - 5.62" / 42.0 - 143.0 mm

8.0 mils (QR Code): 2.63 - 4.33" / 67.0 - 110.0 mm

13.0 mils (PDF417): 0.86 - 9.84" / 22.0 - 250.0 mm

15.0 mils (Data Matrix): 1.25 - 11.02" / 32.0 - 280.0 mm

20.0 mils (QR Code): 1.45 - 12.59" / 37.0 - 320.0 mm

100% UPC: 1.45 - 14.09" / 37.0 - 358.0 mm

Note: Specifications subject to change without notice

### COMMUNICATION INTERFACES

#### Standard

RS-232, USB, Bluetooth™, Version 2.1 + EDR, Keyboard Wedge

#### Wireless

Class 1 (328 ft. / 100m in open area), Data rate - up to 3 Megabits/sec

### ENVIRONMENT CHARACTERISTICS

#### Operating Temperature

-4°F to 131°F (-20°C to 55°C) (Charging 0 to 40°C)

#### Storage Temperature

-4°F to 158°F (-20°C to 70°C)

#### Humidity

5% to 95% related 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)

#### Environment Sealing

Sealed to resist airborne particulate and water (IP65)

#### Ambient Light Immunity

Immune to normal artificial indoor and natural outdoor (direct sunlight) lighting

### REGULATORY

#### Electric Safety

EN60950-1, CNS14336

#### Laser Safety

EN60825-1: 1994 +A1:2002 +A2:2001, IEC60825-1, 21CFR1040.10 and 21CFR1040.11, CDRH Class II, IEC Class 2

#### EMI/RFI

CE, FCC, BSMI, NCC

#### Environmental

Compliant with RoHS directive 2002/95/EEC

### ELECTRICAL CHARACTERISTICS

#### Battery

Rechargeable Li-Ion battery pack (3.7V, 2200 mAh, 9.25 Wh) Up to 55 hours (10 sec / scan) of operation or 80,000+ scans (1 sec / scan) per charge

#### Battery Charger Time

USB cable: 6.5 hrs

Optional Power adapter: 4.5 hrs

#### Power Input

5V ± 10% VDC / 1A

### WARRANTY

3 year warranty; Battery: 1 year

#### SATO AMERICA CORPORATE

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