



# THE EAGLE EYE

## AI-6821

### 2D BarCode Imager

**AI-6821**, the very first model of Argox wireless 2D Imager Scanner for light-industry grade, eagle-eye grade reading engine that has enhanced performance on 4 mil labels for small IT-components, jewelry labels and so on. The transmission rate is also 3 times faster than the competitors within its class which it will greatly increase your efficiency and minimize your downtime.

AI-6821 has built in cross-line laser targeting design which allows you to work perfectly under ultra-white light and insufficient light source environment with on demand scanning accuracy. It will greatly reduce the user's fatigue. AI-6821 is also the "free to use" device that allows the users to extend up to 100m in distance within its distance, so it maximizes the flexibility of the users.

#### Transcendence of its class

The rugged design of AI-6821 is certified by IP65 with drop rate resistance of 1.8 meter vertical distance to prevent any data loss and transmission. impossible to be break. The enhanced alert beep has dynamic setting that fits your working environment even under high-noise condition and it also provides vibration alert.

#### Accuracy and Precision

The era of Big Data is coming, AI-6821 comes with DataMagic data editing software to enhance your usability. It takes no time to complete the setting with the user-friendly UI design; you will be able to complete the data analysis whenever you want. You no longer will need to spend additional resource on SI companies for job like this!



#### Application:

- Retail
- Pharmacy
- Medical Treatment
- Inventory
- Logistic
- Manufacturer
- Packaging

#### Features:

- **Ruggedized Features:** IP65 allows you to performance scanning even in environment like a desert storm in Sahara or the monsoon of rainforest South Asia region that has high humidity. 1.8m drop resistance lets it safely complete its mission with consistent quality and performance.
- **Precision & Efficiency:** Rapid reading speed. Three times the data transmission speed comparing to other scanners in its class.
- **Excellent performance:** Processing up to 4mil resolution barcode readability. Support all type of electronic device, such as mobile phone, tablet and LCD display.
- **Scanning enhancement:** Patented Cross-line laser targeting indicator reduce user fatigue and it will improve your efficiency.

#### Cradle- Features:

Smart Cradle

1. User friendly cable socket for difference positioning.
2. U-Shape LED indicator provides clear signal even in long distance.
3. Multi-function cradle: Data transmission, scanner charging and FW upgrade- 3in1.



Model	AI-6821	AI-6821HD
<b>PERFORMANCE CHARACTERISTICS</b>		
Scan Pattern	Area Imager (752x480 pixel array)	
Light source	Aiming Pattern: 655 +/- 10 nm laser diode Illumination: 625 +/- 5 nm LED	
Field of View	39.6° horizontal, 25.7° vertical	
Roll/Pitch/Skew	360°, ±60°, ±60°	
<b>PHYSICAL CHARACTERISTICS</b>		
Dimensions	Scanner 9.4x 7.6x15.8 cm	Cradle:13x8.8x9.5 cm
Weight	Scanner :200g (Battery included)	Cradle:130g
Indicator	LED , beeper, vibrator	
Resolution	1D (4 mil): Code 39 2D (6.7 mil): PDF417	1D (3 mil): Code 39 2D (4 mil): PDF417
<b>SYMBOLGY DECODE CAPABILITY</b>		
1-D Symbolgies	UPC/EAN (UPCA/UPCE/UPCE1/EAN-8/EAN-13/JAN-8/JAN13 plus supplementals, ISBN (Bookland), ISSN, Coupon Code, Code39 (Standard, Full ASCII, UCC/EAN-128,ISBT-128 Concatenated), Code 93, Codabar/NW7, Code 11 (standard, Matrix 2 of 5),MSI Plessey, I2 of 5 (Interleaved 2 of 5 / ITF, Discrete 2 of 5 IATA, Chinese 2 of 5), GS1 Databar (Omnidirectional, Truncated,Stacked, Stacked Omnidirectional, Limited, Expanded, Expanded Stacked, Inverse), Base 32 (Italian Pharmacode)	
PDF417 (and Variants)	PDF417, microPDF417, Composite Codes (OCR-A, OCR-B)	
2-D Symbolgies	TLC-39, Aztec (Standard, Inverse), MaxiCode, DataMatrix/ECC 200 (Standard, Inverse), QR Code (Standard, Inverse and Micro)	
Print Contrast	25% minimum reflectance	
Interface Supported	RS-232 , USB	
Depth of Field	Code39 5mil 42~143mm 100% UPC 37~358mm Datamatrix 15 mil 32~280mm QR Code 8 mil 67~110mm QR Code 20 mil 37~320mm PDF417 13 mil 22~250mm	Code39 3mil 25~75mm Code39 5mil 25~105mm UPC 13mil 45~150mm QR Code 8 mil 30~80mm QR Code 20 mil 35~160mm PDF417 13 mil 25~115mm
<b>USER ENVIRONMENT</b>		
Operating Temperature	-20°C to 55°C (-4°F to 131°F) (Charging 0~40°C)	
Storage Temperature	-20°C to 70°C (-4°F to 158°F)	
Humidity	5% to 95% related humidity, non-condensing	
Drop Specifications	Withstands multiple 6 ft./1.8 m drops to concrete	
Contaminants	Seals to resist airborne particulate contaminants ( IP65)	
Ambient Light Immunity	Up to 100,000 LUX, Immune to normal artificial indoor and natural outdoor (direct sunlight) lighting	
<b>REGULATORY</b>		
Electrical 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	
Radio	Bluetooth™, Class 1(100M, in open area), Version 2.1 + EDR, Data rate — up to 3 Megabits/sec	
<b>ACCESSORIES</b>		
Power Supplies	Power supplies are available to support faster charging or USB cable	
<b>ELECTRICAL CHARACTERISTICS</b>		
Battery	Rechargeable Li-Ion battery pack (3.7V, 2200mAh, 9.25Wh) Up to 55 hours (10 sec / scan) of operation	
Battery Charger Time	Power adapter : 4.5 hours USB cable : 6.5 hours	
Power Input	5V ± 10% VDC / 1A	

\*Specifications subject to change without notice

