



## EAGLE EYE Series

# AI-6821

## Wireless 2D Barcode Imager

### Outstanding Scanning Performance

Based on the outstanding reading performance 2D CMOS imager scan engine, AI-6821 is the first Argox wireless light-industry grade 2D scanner. With enhanced reading capability on 4 mil labels for components and jewelry labels, AI-6821 has been well recognized by Argox customer groups for its snappy readings and rigid structures in light industrial applications.

### User Friendly Data Collection Mode

AI-6821 offers Data Collection mode with 7KB storage built in. When scanning is out of the receiving range, it can store the data then transmit in batch when the connection is back on.

### Superb Wireless Data Transmission

With Class-1 Bluetooth module built in, AI-6821 can transmit scanned data to receiver within 100-meter range. For warehouse and logistic operations, AI-6821 can provide services non-stop over the whole working shift.

### In Store or On the Floor Use

AI-6821 can be perfect scanning device for inventory check. For factory shop floor use, AI-6821 can be great helping hands with built in vibrator for good-read and data receiving acknowledge indicator.

### Built to Survive Harsh Environment

IP65 structure design of AI-6821 makes it survive multiple 1.8-meter drop on concrete. No moving parts inside of AI-6821 outperforms laser scanner in various applications in factory and warehouse.

### Versatile Data Editing to Adopt Database Format

AI-6821 comes with powerful DataMagic data editing tool. It allows AI-6821 to transmit scanned data after been edited according to preset rules to fit in specific database format. No matter it is for special data length, special truncation, special re-organization of the data sequence, even replacing specific data with designated numbers or characters. Substantial efforts used to be required after data scanning can now all be eliminated through simple setting on screen via friendly user interface then download into AI-6821.



### Application:

- Retail
- Healthcare
- Warehouse
- Transportation & Logistic
- Manufacturing



### Cradle- Features:

#### Smart Cradle

1. User friendly cable alignment groove for different desktop positioning.
2. U-Shape LED indicator provides clear scanner status indication even from far.
3. Multi-function cradle: Data receiving/transmission, scanner charging, and firmware upgrade.



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	
Operation mode	Handcuff mode, Sleep mode, Data collection mode, Auto-sensing mode	
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)	
Battery Charger Time	Power adapter : 4.5 hours USB cable : 6.5 hours	
Power Input	5V ± 10% VDC / 1A	

\*Argox reserves the right to enhance and modify the specification without prior notice.  
Please check Argox sales representative for most updated specifications.



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