



# THE EAGLE EYE

## AI-6820 Series

### 2D BarCode Imager



**AI-6820 Series**, the first model of Argox wired 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 will greatly increase your efficiency and minimize your downtime.

AI-6820 Series 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.

#### Transcendence of its class

The heavy-duty design of AI-6820 Series is certified by IP65 with drop rate resistance of 1.8 meter vertical distance to prevent any data loss and transmission. 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-6820 Series 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 in no time. You no longer will need to spend additional resource on SI companies for job like this!

The rising trend of mobile device, each device will be required to transmit data through different platform and it is becoming the norm. Barcode is digitalized and it will be displayed on variety of electronic devices. AI-6820 Series has high readability on electronic display like tablet and cell phone to have high accuracy barcode reading ability. AI-6820 Series is the idea product for you to apply with different sectors such as Retail, Logistic, Warehouse management and so on.

#### Application:

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

#### Features:

- **Ruggedized:** Industrial grade IP65 dust and water resistance with 1.8 meters safe drop distance protection. It will withstand sudden drops and a variety of collision. AI-6820 will remain stable operation whether you use it for the outdoor or dusty environment.
- **Precision & Efficiency:** Rapid reading speed. Triple times the data transmission speed comparing to other scanners in its class.
- **Scanning enhancement:** Patented Cross-line laser targeting indicator reduce user fatigue and it will improve your efficiency.
- **Excellent performance:** Processing up to 4mil resolution barcode readability. Support all type of electronic device, such as mobile phone, tablet and LCD display.

Model	AI-6820	AI-6820HD
<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	
Weight	Scanner : <130g	
Indicator	LED , beeper, vibrator	
Resolution	1D (4mils): Code 39 2D (6.7mils): PDF417	1D (3mils): Code 39 2D (4mils): PDF417
<b>SYBOLOGY DECODE CAPABILITY</b>		
1-D Symbologies	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 Symbologies	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	15 mil Datamatrix: Max 12.4" 100% UPC: 1.6–15.5"	
<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	
<b>ELECTRICAL CHARACTERISTICS</b>		
Power Input	5V ± 10% VDC / 1A	

*\*Specifications subject to change without notice*

