

**ARGOX**  
*Empower the Barcode*

ArgoScan Barcode Imager  
Ultra Long-range Series  
AS-8310 / AS-8312



AS-8310



AS-8312

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# ArgoScan Barcode Imager Ultra Long-range Series AS-8310 / AS-8312



## Features

- 450 scans per second and working range from contact to 600mm on medium density barcodes
- AS-8312 Support PDF417 decoding
- General Purpose reader - a Single device covering the broadest range of application
- Durable - without any moving parts to wear out
- Plug and play connectivity - All popular interfaces are on board KBW / USB / RS-232
- Aiming line- Aiming line for easy-of-use in scanning barcode
- Excellent Scanning Performance starting at 0.1mm (4 mil)
- Readable Under Sun Light
- Support GS1 databar (RSS) & CS ( Composite Symbology) barcodes
- Reliability
  - (1) Trigger: 1,000,000 times
  - (2) Cable: 320,000 times (90°)
  - (3) Drop: 1.5 meter
- 5-year Warranty

Depth of Field		
Resolution	AS-8310	AS-8312
5 mil	46 ~ 102 mm	46 ~ 102 mm
10 mil	58 ~ 214 mm	58 ~ 214 mm
13 mil	Up to 340 mm	Up to 340 mm
20 mil	Up to 600 mm	Up to 600 mm
40 mil	Up to 1,100 mm	Up to 1,100 mm

## Applications

Pharmacy  
Medical Treatment  
Financial Service  
Inventory  
Logistic  
Manufacturer  
Packaging

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## Product Values

AS-8310



### AS-8310

The AS-8310 Long Range Imager delivers rapid scans, superior accuracy, and extra durability. An advanced, high performance long-range scanner, the AS-8310 offers a fast, accurate and cost-effective alternative to laser barcode scanners. A durable rubber overmolding protects the AS-8310 in harsh environments, and the optional hands-free caddy is ideal for retail applications. Providing exceptional quality and performance, the AS-8310 is perfect for a wide variety of applications, including business and professional offices, warehouses, healthcare facilities, laboratories, shipping & receiving, and retail outlets.

AS-8312





### AS-8312

The fast and accurate AS-8312 Long Range Imager scans 2-Dimensional symbols such as PDF417, GS1 databar (RSS) and Code 16K, as well as the full range of barcode symbologies. With a rapid 450 scans per second, the AS-8312's performance is comparable to laser barcode scanners but at a much lower cost. With superior depth of field, this scanner delivers long range accuracy even in poor conditions. The durable AS-8312 is perfect for tough industrial environments. For retail checkout, the optional caddy allows hands-free scanning. Suitable for a wide range of applications, from professional offices to shipping & receiving, the AS-8312 Long Range Imager offers outstanding quality and performance.

#### Accessories



> AS-8310/AS-8312 stand

Specifications	AS- 8310	AS- 8312
Light source	630 nm visible red LED	630 nm visible red LED
Optical system	2048 pixel CCD (charge-coupled device)	2048 pixel CCD (charge-coupled device)
Depth of scan field	Up to 600mm ( code 39, PSC=90%, 20mils)	Up to 600mm (code 39, PSC=90%,20mils)
Scanning width	160 mm	160 mm
Scan speed	450 scans/sec	450 scans/sec
Current - sleep mode	25 mA @ 5VDC	25 mA @ 5VDC
Resolution	0.1mm(4mils) - Code 39, PCS=90 %, on contact	0.1mm(4mils) - Code 39, PCS=90 %, on contact
Print contrast	30% or more	30% or more
Scanning angle	Front: 60° ,Rear: 60° ,Yaw: 75°	Front: 60° ,Rear: 60° ,Yaw: 75°
Decode capability	Auto discriminates all standard one-dimension barcodes; including GS1 databar	Auto discriminates all standard one-dimension barcodes; other symbologies can be ordered optionally(2D Symbology for AS-8312)
Cable - universal type	Coiled 2.5 m	Coiled 2.5 m
Beeper operation	7 tones or no beep	7 tones or no beep
Indicator	Green & Red LED	Green & Red LED
Length	164 mm	164 mm
Cushion material	Double injection	Double injection
Width-handle	30 mm	30 mm
Width-head	78 mm	78 mm
Depth-handle	56 mm	56 mm
Depth-head	35 mm	35 mm
Weight	176 g (cable not included)	176 g (cable not included)
Cable - K/B wedge	Coiled 2.5 m	Coiled 2.5 m
Connector type	RJ-45 phone jack connector	RJ-45 phone jack connector
Case material	ABS (over molded at contact pointed)	ABS (over molded at contact pointed)
Operating temperature	0°C to 50°C (32°F to 122°F)	0°C to 50°C (32°F to 122°F)
Input voltage	5 VDC ± 0.25V	5 VDC ± 0.25V
Power - operating	800 mW	800 mW
Power - standby	350 mW	350 mW
Current - operating	160 mA @ 5 VDC	160 mA @ 5 VDC
Current - standby	70 mA @ 5 VDC	70 mA @ 5 VDC
DC transformers	Class 2; 5VDC @ 450 mA	Class 2; 5VDC @ 450 mA
Storage	-20°C to 70°C (-4°F to 158°F)	-20°C to 70°C (-4°F to 158°F)
Humidity	5% to 90% relative humidity, non-condensing	5% to 90% relative humidity, non-condensing
Light level	Up to 70000 Lux	Up to 70000 Lux
Shock	1.5m drop onto concrete	1.5m drop onto concrete
Programming method	Manual (reading special barcode) DOS command through RS-232, Windows configuration program	Manual (reading special barcode) DOS command through RS-232, Windows configuration program
Contaminants	Sealed to resist airborne particulate contaminants (IP42)	Sealed to resist airborne particulate contaminants (IP42)
Program upgrade	Enabled by build-in flash memory	Enabled by build-in flash memory
EMC		
Programmable characteristics	Code type selection, check digit selection Decoding option Transmitted character delay, Header selection, trailer selection, message suffix, good read beep tone and volume, scanner trigger selection Keyboard emulation type (intermessage delay, keyboard type and keyboard language).Serial interface type (ACK/NAK, Xon/Xoff, RTS/CTS, good read LED control, start/stop bits)	