



AR-3100
AR-3200

AR-3201

Fast & Accurate
Just like the Hummingbird

High resolution & extended range scanning!

Before



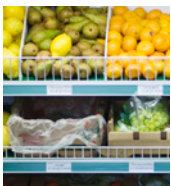
Users need to adjust the distance when scanning barcodes, wasting a lot of time.

After

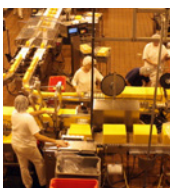


With AR-3100 series scanners, barcodes can be read from contact which greatly increases efficiency.

Application



Retail



Manufacturing



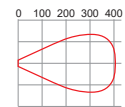
Healthcare



Feature-rich to make daily work simple and easy



Compact & simple to use
Lightweight form factor reduces working fatigue.



Long DoF Coverage
Covers from contact to standard scan range, one scanner that does the job of two (contact reading & distant reading).



Reads high density 3mil barcodes
Users can capture high density barcodes commonly used on small retail items such as jewelry.



Reads barcodes on LCD screens
Supports all types of electronic LCD screen, such as mobile phone, tablet.



Supports DataMagic function
Scanned data output can be customized to adopt various database structures.



Vibration function
With vibration mode, users can instantly confirm a successful scan even in a noisy environment.

General Specifications

Models		AR-3100	AR-3200	AR-3201			
Symbologies	Linear	Code11, Code39, Code93, Code32 (Pharmaceutical), Code128, Code bar, Interleaved 2 of 5, Industrial 2 of 5, IATA 2 of 5, Matrix 2 of 5, EAN/JAN-13, EAN/JAN-8, UPC-A, UPC-E, UPC-A/EAN-13 with EXTend Coupon code, Telepen, Plessey Code, GS1 Databar RSS14, GS1 Databar Limited, GS1 Databar, Omni directional, GS1 Databar Expanded, China Post					
	Stacked Linear	GS1 Databar Expanded Stacked, GS1 Databar RSS14 Stacked, C16K, CodaBlockF					
Depth of Field Ambient Light: 270~330Lux		Near (cm)	Far (cm)	Near (cm)	Far (cm)	Near (cm)	Far (cm)
Code39	3mil	0	7.5	1.6	8.4	1.6	8.4
	4mil	0	10.8	1.4	12.4	1.4	12.4
	5mil	0	14.6	1.0	16.1	1.0	16.1
	20mil	0	58	1.7	78.0	1.7	78.0
EAN13	13mil	0	43	1.3	53.5	1.3	53.5

Characteristics	
Dimensions	H140mm x W67mm x D169mm Scanner: H140mm x W67mm x D169mm Cradle: H106mm x W90mm x D141mm
Weight	115g Scanner: 178g (Battery included) Cradle: 219g
Power	5V+-5%
Trigger switch	>1,000,000 cycles
Light source	RED LED 620nm~630nm
Interface	USB (HID/Virtual Com), RS-232
Indication	LED and adjustable beep sound, vibrator
Battery	- Rechargeable Li-Ion battery pack (3.6V, 2600mAh, 9.36Wh)
Battery charge time	- Full charged 5 hours (For adapter) Full charged 7 hours (For USB cable only)
Standby idle	- >102 hours
Number of scan	- >96,000 reads
Expected hours of operation	- >81 hours
Supported connection	- BT 2.1+EDR, 100meter Support SPP/HID

Performance	
Resolution	3mil PCS>=30%
Scan Rate	500 scan/sec
Scan Width	25.7cm (code 39 , 20mil, pcs 90%)
Scan Angle	Yaw: ±60° Pitch: ±70° Roll: ±45° , EAN13, 13mil

Environment		
Light strength	80,000 Lux (PCS 90% / Code 39, 20mil "1234") Continue reading	
Temperature	Operating	-20°C to 60°C (-4°F to 140°F)
	Storage	-30°C to 70°C (-22°F to 158°F)
	Battery Charge	- 0°C to 40°C (32°F to 104°F)
Humidity	5% to 95% relative humidity, non-condensing	
ESD	±12KV Contact discharge, ±20KV Air discharge, ±12KV Vcp Hcp discharge	
Drop	1.8M	

Regulatory	
Regulatory Approvals	CE, FCC, BSMI, RoHS, WEEE, BIS
Environmental	ROHS compliant

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

Optional Items



Stand:
Auto-sensing (presentation)
applications

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