

AR-5000 Series Specification

High Scanning Performance on 1D/2D Barcodes, DPM, Long Range, and OCR(A/B type)

- 1D/2D Code Scanning
- OCR A, OCR B type Scanning
- RS232, USB interface
- Optional External Control Box
- Global Shutter Technology
- Megapixel Sensor



AR-5000 Series SKUs

Model Name	Key Feature	Aimer/Illumination	Decode Range
AR-5000CN*	Low Cost	Red/Red	10mil QR 3~16cm
AR-5000SR	Standard Range	4710: Red/Red, 4720: Green/White 4770: Red/Red	4710: 20mil QR 3~42.4cm 4720/4770: 20mil code39 4.1~91.7cm
AR-5000DP	Direct Part Marking	Red/White	3mil code39 4.3~10.9cm
AR-5000AD	Standard to Long Range	Green/White	15mil code128 18.2~181cm 100mil code 39 18.2~1400cm

* Low cost CN OEM engine

AR-5000 Series are empowered by Zebra Technology.

Only from Zebra, PRZM's software decode algorithms deliver superior performance on poor quality and challenging barcodes, for first-time, every-time scanning.

It takes global shutter to capture the entire image simultaneously, enabling fast capture of the barcode image. Its high-quality lens ensures the quality of the image from corner to corner and provides the high resolution required to capture the clearest image. High first-pass read rates allow workers to quickly capture barcodes, whether the scanner or the barcode are in motion.

It captures large barcodes and multiple barcodes quickly and easily with a larger 'sweet spot' – no need for users to spend time repositioning the device to capture the barcode. It has extraordinary working range to capture barcodes farther than 24 in./60cm away, allowing you to meet the needs of more types of users and applications.

Specification

Dimension	165 x 95 x 70 mm	1D	Code39 (Full ASCII, Code32/Italian
Weight	120g	Decoding	Pharmacode, Trioptic), Code 128(EAN-
Host Supply	Supply Voltage 5.0+/-0.5V		128, ISBT-128) Code bar (Ames), Code 11

	Suspended Current Draw 5mA
	Idle Current 130mA
	Operating Current 300mA
	Peak Current 450mA
Temperature	Operating -30°C to 60°C(-22F to 140F) Storage -40°C to 70°C(-40F to 158F)
Humidity	Operating 90% RH, non-condensing at 60°C Storage 85% RH, non-condensing at 70°C
Shock	Internal Barcode Engine 2000 G +/- 5% applied Via any mounting surface at -30°C and 55°C for a period of 0.85 +/- 5% msec 2500 G +/- 5% applied Via any mounting surface at 20°C for a period of 0.70 +/- 5% msec
Software Tools	Zebra 123Scan SDK for Windows and Linux Drivers (OPOS, JPOS, USB CDC)

	(Matrix 2 of 5, Chinese 2 of 5), UPC/EAN/JAN, Bookland/ISBN, ISSN, Coupon Code, Databar(Omidirectional, Limited, Expanded, Databar coupon) etc.
2D Decoding	PDF (Macro PDF), MicroPDF(Macro Micro PDF)
1D+2D	Composite (CC-A, CC-B, CC-C), TLC39
Postal Codes	Australia Post, Japan Postal, Canada Postal, Netherlands KIX Code, US planet, USPS,4CB/One Code/Intelligent Mail, UPU FICS Postal, Mailmark, French, Lottery, Posti4S, Korean 3 of 5
Matrix Decoding	Aztec (Aztec Rune), Data Matrix (ECC, GS1 Data Matrix), QR (Micro QR, GS1 QR)
OCR Decoding	OCRA, OCRB (Incl Passport, Travel Doc and Visa), MICR, US Currency Serial Number

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인쇄 및 표시된 1D 및 2D 바코드의 높은 스캔 성능

- 1D/2D 코드, OCR(여권) 스캔(*AR-5000CR 만 해당)
- 글로벌 셔터 기술
- 메가픽셀 센서
- Zebra 의 PRZM 지능형 이미징
- 최대 동작 허용 오차
- 더 넓은 시야
- 놀라운 작업 범위

AR-5000 시리즈는 Zebra Technology 를 통해 구현됩니다.

Zebra 에서만 제공되는 PRZM 의 소프트웨어 디코드 알고리즘은 낮은 품질과 까다로운 바코드에 대해 뛰어난 스캔 성능을 제공합니다.

바코드 이미지를 빠르게 캡처하기 위해, 전체 이미지를 동시에 캡처할 수 있는 글로벌 셔터를 적용하고 있으며 고품질 렌즈는 바코드 스캔 이미지의 품질을 보장하고 가장 선명한 이미지를 캡처하는 데 필요한 고해상도를 제공합니다. 또한 높은 최초 스캔 확률은 스캐너 또는 바코드가 움직이는지 여부에 관계없이 작업자가 바코드를 빠르게 캡처할 수 있도록 합니다.

더 큰 '스윙 스팟'으로 빠르고 쉽게 큰 사이즈 바코드와 여러 바코드를 캡처하므로 사용자가 바코드를 캡처하기 위해 기기 위치를 변경할 필요가 없습니다. 24 인치/60cm 떨어진 곳에서 바코드를 캡처할 수 있는 탁월한 작업 범위를 갖추고 있어 다양한 유형의 사용자와 애플리케이션의 요구를 충족시킬 수 있습니다.

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Weight	120g		90% RH, non-condensing at 60°C
Host Supply	Supply Voltage 5.0+/-0.5V Suspended Current Draw 5mA		Storage
			85% RH, non-condensing at 70°C



	Idle Current	130mA	Shock	Internal Barcode Engine 2000 G +/- 5% applied Via any mounting surface at -30°C and 55°C for a period of 0.85 +/- 5% msec 2500 G +/- 5% applied Via any mounting surface at 20°C for a period of 0.70 +/- 5% msec
	Operating Current	300mA		
	Peak Current	450mA		
Start Up Time	From Power On RS-232: 2100 ms typical USB: Host dependent From Low Power Mode 3ms typical			
Baud Rate	9600,19200,38400,57600, 115200,230400,460800,921600			
Temperature	Operating -30°C to 60°C (-22F to 140F) Storage -40°C to 70°C (-40F to 158F)			
2D Decoding	PDF (Macro PDF), MicroPDF(Macro Micro PDF)		1D Decoding	Code39 (Full ASCII, Code32/Italian Pharmacode, Trioptic), Code 128(EAN-128, ISBT-128) Code bar(Ames), Code 11 (Matrix 2 of 5, Chinese 2 of 5), UPC/EAN/JAN, Bookland/ISBN, ISSN, Coupon Code, Databar (Omidirectional, Limited, Expanded, Databar coupon) etc.
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Matrix Decoding	Aztec (Aztec Rune), Data Matrix (ECC, GS1 Data Matrix), QR (Micro QR, GS1 QR)			
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