

ARF-5000 Series Specification

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

- IP65 Level(optional)
- RS232, USB interface
- M12 connector (Optional RJ45)
- Optional External Control Box
- Global Shutter Technology (4720)
- Megapixel Sensor
- 1D/2D Code Scanning
- OCR A, OCR B type Scanning



ARF-5000 Series SKUs

Model Name	Key Feature	Aimer/Illumination	Decode Range
ARF-5000BA	Low Cost	Green/White	20mil QR 3~35.6cm
ARF-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
ARF-5000DP	Direct Part Marking	Red/White	3mil code39 4.3~10.9cm
ARF-5000AD	Standard to Long Range	Green/White	15mil code128 18.2~181cm 100mil code 39 18.2~1400cm

Specification (Based on ARF-5000BA)

Dimension	55 x 26 x 83 mm	1D	Code39 (Full ASCII, Code32/Italian
Weight	62g	Decoding	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.
Host Supply	Supply Voltage 5.0+/-0.5V Suspended Current Draw 5mA Idle Current 130mA Operating Current 300mA Peak Current 450mA	2D	PDF (Macro PDF), MicroPDF(Macro Micro PDF)
Temperature	Operating -30°C to 60°C(-22F to 140F) Storage -40°C to 70°C(-40F to 158F)	Decoding	
Humidity	Operating 90% RH, non-condensing at 60°C Storage 85% RH, non-condensing at 70°C	1D+2D	Composite (CC-A, CC-B, CC-C), TLC39
Shock	Internal Barcode Engine 2000 G +/- 5% applied Via any	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	Aztec (Aztec Rune), Data

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	Zebra 123Scan
Tools	SDK for Windows and Linux Drivers (OPOS, JPOS, USB CDC)

Decoding	Matrix (ECC, GS1 Data Matrix), QR (Micro QR, GS1 QR)
OCR	OCRA, OCRB (Incl Passport, Travel Doc and Visa), MICR, US Currency Serial Number

Fixed Barcode Scanner Control Box(Optional)



- Isolation Power Design to block industrial noise
- Various Fixed Scanner support
- 24V Input Channel 5
- Relay Output 6
- Programable by Basic and Ladder Logic

<Block Diagram>

